



LIMERICK GENERATING STATION

JOINT FREQUENCY DISTRIBUTIONS OF LAND

DIRECTION AND SPEED BY NRC

LAPSE RATE STABILITY CRITERIA

Period of Record: January - December 1980

- SECTION I: Tower No. 1, 266-26 Ft. Delta Temperature
30, 175, and 270-Ft. Wind Levels
- SECTION II: Tower No. 1, 171-26 Ft. Delta Temperature
30, 175, and 270-Ft. Wind Levels
- SECTION III: Tower No. 2, 300-26 Ft. Delta Temperature
30, 159 and 304 Ft. Wind Levels
- SECTION IV: Tower No. 2, 155-26 Ft. Delta Temperature
30, 159, and 304 Ft. Wind Levels
- SECTION V: Satellite Tower, 266-26 Ft. Delta Temperature
32-Ft. Wind Level
- SECTION VI: Satellite Tower, 171-26 Ft. Delta Temperature
32-Ft. Wind Level

B209100147 B20901
PDR ADOCK 05000352
C PDR

METEOROLOGICAL EVALUATION SERVICES, INC.

134 BROADWAY, AMITYVILLE, NEW YORK 11701-2790 • 516-691-3395

SECTION I

LINERICK GENERATING STATION
WEATHER STATION NO. 1
LAPSE RATE WIND DIRECTION

DIRECTION	LOCATION SPT						DEG C/100M (246-24FT)		LAPSE RATE LP-1.0 CLASS 4			
	1-3		4-7		8-12 SPEEDS(MI/Hr)		13-14		19-24		25 PLUS	
	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT
5	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0
22.5	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0
42.5	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0
47.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
49.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
112.5	2	0.0	2	0.0	0	0.0	0	0.0	0	0.0	0	0.0
132.5	2	0.0	2	0.0	0	0.0	0	0.0	0	0.0	0	0.0
152.5	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0
157.5	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0
180.0	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0
202.5	4	0.0	4	0.0	0	0.0	0	0.0	0	0.0	0	0.0
222.5	7	0.0	7	0.0	0	0.0	0	0.0	0	0.0	0	0.0
242.5	7	0.0	7	0.0	0	0.0	0	0.0	0	0.0	0	0.0
270.0	5	0.0	5	0.0	0	0.0	0	0.0	0	0.0	0	0.0
292.5	5	0.0	5	0.0	0	0.0	0	0.0	0	0.0	0	0.0
312.5	2	0.0	2	0.0	0	0.0	0	0.0	0	0.0	0	0.0
332.5	4	0.0	4	0.0	0	0.0	0	0.0	0	0.0	0	0.0
360.0	4	0.0	4	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	48	100	191	100	204	100	20	100	1	100	44	100

WIND WIND SPEED 7.0
CALM HOURS 7
PERCENT CALM 1
MISSING 14

LIMBICK GENERATING STATION
WEATHER STATION NO. 1
LAPSE RATE - WIND DIRECTION -
1980
LOCATION 30FT

[illegible]

1 2 3 4 5 6 7 8 9 10 11 12
 13 14 15 16 17 18 19 20 21 22 23 24
 25 26 27 28 29 30 31 32 33 34 35 36
 37 38 39 40 41 42 43 44 45 46 47 48
 49 50 51 52 53 54 55 56 57 58 59 60
 61 62 63 64 65 66 67 68 69 70 71 72
 73 74 75 76 77 78 79 80 81 82 83 84
 85 86 87 88 89 90 91 92 93 94 95 96
 97 98 99 100 101 102 103 104 105 106 107 108
 109 110 111 112 113 114 115 116 117 118 119 120
 121 122 123 124 125 126 127 128 129 130 131 132
 133 134 135 136 137 138 139 140 141 142 143 144
 145 146 147 148 149 150 151 152 153 154 155 156
 157 158 159 160 161 162 163 164 165 166 167 168
 169 170 171 172 173 174 175 176 177 178 179 180
 181 182 183 184 185 186 187 188 189 190 191 192
 193 194 195 196 197 198 199 200 201 202 203 204
 205 206 207 208 209 210 211 212 213 214 215 216
 217 218 219 220 221 222 223 224 225 226 227 228
 229 230 231 232 233 234 235 236 237 238 239 240
 241 242 243 244 245 246 247 248 249 250 251 252
 253 254 255 256 257 258 259 260 261 262 263 264
 265 266 267 268 269 270 271 272 273 274 275 276
 277 278 279 280 281 282 283 284 285 286 287 288
 289 290 291 292 293 294 295 296 297 298 299 300
 301 302 303 304 305 306 307 308 309 310 311 312
 313 314 315 316 317 318 319 320 321 322 323 324
 325 326 327 328 329 330 331 332 333 334 335 336
 337 338 339 340 341 342 343 344 345 346 347 348
 349 350 351 352 353 354 355 356 357 358 359 360
 361 362 363 364 365 366 367 368 369 370 371 372
 373 374 375 376 377 378 379 380 381 382 383 384
 385 386 387 388 389 390 391 392 393 394 395 396
 397 398 399 400 401 402 403 404 405 406 407 408
 409 410 411 412 413 414 415 416 417 418 419 420
 421 422 423 424 425 426 427 428 429 430 431 432
 433 434 435 436 437 438 439 440 441 442 443 444
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 553 554 555 556 557 558 559 560 561 562 563 564
 565 566 567 568 569 570 571 572 573 574 575 576
 577 578 579 580 581 582 583 584 585 586 587 588
 589 590 591 592 593 594 595 596 597 598 599 600
 601 602 603 604 605 606 607 608 609 610 611 612
 613 614 615 616 617 618 619 620 621 622 623 624
 625 626 627 628 629 630 631 632 633 634 635 636
 637 638 639 640 641 642 643 644 645 646 647 648
 649 650 651 652 653 654 655 656 657 658 659 660
 661 662 663 664 665 666 667 668 669 670 671 672
 673 674 675 676 677 678 679 680 681 682 683 684
 685 686 687 688 689 690 691 692 693 694 695 696
 697 698 699 700 701 702 703 704 705 706 707 708
 709 710 711 712 713 714 715 716 717 718 719 720
 721 722 723 724 725 726 727 728 729 730 731 732
 733 734 735 736 737 738 739 740 741 742 743 744
 745 746 747 748 749 750 751 752 753 754 755 756
 757 758 759 760 761 762 763 764 765 766 767 768
 769 770 771 772 773 774 775 776 777 778 779 780
 781 782 783 784 785 786 787 788 789 790 791 792
 793 794 795 796 797 798 799 800 801 802 803 804
 805 806 807 808 809 810 811 812 813 814 815 816
 817 818 819 820 821 822 823 824 825 826 827 828
 829 830 831 832 833 834 835 836 837 838 839 840
 841 842 843 844 845 846 847 848 849 850 851 852
 853 854 855 856 857 858 859 860 861 862 863 864
 865 866 867 868 869 870 871 872 873 874 875 876
 877 878 879 880 881 882 883 884 885 886 887 888
 889 890 891 892 893 894 895 896 897 898 899 900
 901 902 903 904 905 906 907 908 909 910 911 912
 913 914 915 916 917 918 919 920 921 922 923 924
 925 926 927 928 929 930 931 932 933 934 935 936
 937 938 939 940 941 942 943 944 945 946 947 948
 949 950 951 952 953 954 955 956 957 958 959 960
 961 962 963 964 965 966 967 968 969 970

LYMERICK GENERATING STATION
WEATHER STATION NO. 1
LARGE RATE AND DISTRIBUTION
1940
LOCATION 3094

PROJECT NO	SUBJECT	DATE	TIME	LOCATION	REMARKS
1001	1001	1001	1001	1001	1001
1002	1002	1002	1002	1002	1002
1003	1003	1003	1003	1003	1003
1004	1004	1004	1004	1004	1004
1005	1005	1005	1005	1005	1005
1006	1006	1006	1006	1006	1006
1007	1007	1007	1007	1007	1007
1008	1008	1008	1008	1008	1008
1009	1009	1009	1009	1009	1009
1010	1010	1010	1010	1010	1010
1011	1011	1011	1011	1011	1011
1012	1012	1012	1012	1012	1012
1013	1013	1013	1013	1013	1013
1014	1014	1014	1014	1014	1014
1015	1015	1015	1015	1015	1015
1016	1016	1016	1016	1016	1016
1017	1017	1017	1017	1017	1017
1018	1018	1018	1018	1018	1018
1019	1019	1019	1019	1019	1019
1020	1020	1020	1020	1020	1020
1021	1021	1021	1021	1021	1021
1022	1022	1022	1022	1022	1022
1023	1023	1023	1023	1023	1023
1024	1024	1024	1024	1024	1024
1025	1025	1025	1025	1025	1025
1026	1026	1026	1026	1026	1026
1027	1027	1027	1027	1027	1027
1028	1028	1028	1028	1028	1028
1029	1029	1029	1029	1029	1029
1030	1030	1030	1030	1030	1030
1031	1031	1031	1031	1031	1031
1032	1032	1032	1032	1032	1032
1033	1033	1033	1033	1033	1033
1034	1034	1034	1034	1034	1034
1035	1035	1035	1035	1035	1035
1036	1036	1036	1036	1036	1036
1037	1037	1037	1037	1037	1037
1038	1038	1038	1038	1038	1038
1039	1039	1039	1039	1039	1039
1040	1040	1040	1040	1040	1040
1041	1041	1041	1041	1041	1041
1042	1042	1042	1042	1042	1042
1043	1043	1043	1043	1043	1043
1044	1044	1044	1044	1044	1044
1045	1045	1045	1045	1045	1045
1046	1046	1046	1046	1046	1046
1047	1047	1047	1047	1047	1047
1048	1048	1048	1048	1048	1048
1049	1049	1049	1049	1049	1049
1050	1050	1050	1050	1050	1050
1051	1051	1051	1051	1051	1051
1052	1052	1052	1052	1052	1052
1053	1053	1053	1053	1053	1053
1054	1054	1054	1054	1054	1054
1055	1055	1055	1055	1055	1055
1056	1056	1056	1056	1056	1056
1057	1057	1057	1057	1057	1057
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1060	1060	1060	1060	1060	1060
1061	1061	1061	1061	1061	1061
1062	1062	1062	1062	1062	1062
1063	1063	1063	1063	1063	1063
1064	1064	1064	1064	1064	1064
1065	1065	1065	1065	1065	1065
1066	1066	1066	1066	1066	1066
1067	1067	1067	1067	1067	1067
1068	1068	1068	1068	1068	1068
1069	1069	1069	1069	1069	1069
1070	1070	1070	1070	1070	1070
1071	1071	1071	1071	1071	1071
1072	1072	1072	1072	1072	1072
1073	1073	1073	1073	1073	1073
1074	1074	1074	1074	1074	1074
1075	1075	1075	1075	1075	1075
1076	1076	1076	1076	1076	1076
1077	1077	1077	1077	1077	1077
1078	1078	1078	1078	1078	1078
1079	1079	1079	1079	1079	1079
1080	1080	1080	1080	1080	1080
1081	1081	1081	1081	1081	1081
1082	1082	1082	1082	1082	1082
1083	1083	1083	1083	1083	1083
1084	1084	1084	1084	1084	1084
1085	1085	1085	1085	1085	1085
1086	1086	1086	1086	1086	1086
1087	1087	1087	1087	1087	1087
1088	1088	1088	1088	1088	1088
1089	1089	1089	1089	1089	1089
1090	1090	1090	1090	1090	1090
1091	1091	1091	1091	1091	1091
1092	1092	1092	1092	1092	1092
1093	1093	1093	1093	1093	1093
1094	1094	1094	1094	1094	1094
1095	1095	1095	1095	1095	1095
1096	1096	1096	1096	1096	1096
1097	1097	1097	1097	1097	1097
1098	1098	1098	1098	1098	1098
1099	1099	1099	1099	1099	1099
1100	1100	1100	1100	1100	1100

THE 2 x 1 CUBIC
CAL. T.C.D.S.
DECKAY CAL.
TESTING

NEG C/100M
(2466-2467)
LAPSE DATE
-0.0/ 1.5 CLASS 6

[illegible]

LYNNBICK GENERATING STATION
WEATHER STATION NO. 1
LAKE RATE WIND DISTRIBUTION
1967

LOCATION 30FT

NEG C/100M
(246-248T)

LAKE RATE
1.0 / 0.0 CLASS F

DIRECTION	1-7			8-12			13-14			15-20			25 PLUS			LAKE RATE 1.0 / 0.0 CLASS F		
	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT
22-5	18	2	1	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
23-5	20	3	1	0	0	0	0	0	0	0	0	0	0	0	25	3	1	0
24-5	20	3	1	0	0	0	0	0	0	0	0	0	0	0	25	3	1	0
25-5	24	3	0	0	0	0	0	0	0	0	0	0	0	0	24	3	1	0
26-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
27-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
28-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
29-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
30-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
31-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
32-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
33-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
34-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
35-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
36-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
37-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
38-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
39-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
40-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
41-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
42-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
43-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
44-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
45-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
46-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
47-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
48-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
49-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
50-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
51-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
52-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
53-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
54-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
55-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
56-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
57-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
58-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
59-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
60-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
61-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
62-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
63-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
64-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
65-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
66-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
67-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
68-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
69-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
70-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
71-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
72-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
73-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
74-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
75-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
76-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
77-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
78-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
79-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
80-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
81-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
82-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
83-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
84-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
85-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
86-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
87-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
88-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
89-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
90-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
91-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
92-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
93-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
94-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
95-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
96-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
97-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
98-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
99-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0
100-5	11	1	0	0	0	0	0	0	0	0	0	0	0	0	14	2	1	0

MEAN WIND SPEED 1.0
CALM WINDS 240
PRECIPITATION 5.5
MISSING 12.0

LINERICK GENERATING STATION
WEATHER STATION NO. 1
LARGE RATE WIND DISTRIBUTION
1940

DIRECTION	SPEEDS (MI/HR)					LOCATION 10 FT			DEG C/100H (246-247)	LARGE RATE GT, 4.0 CLASS C	
	1-8	9-16	17-24	25-32	33-40	SUM PERCENT	SUM PERCENT	SUM PERCENT		25 PLUS	SUM PERCENT
22.5	1	0	0	0	0	0	0	0	0	0	0
45.0	10	0	0	0	0	0	0	0	0	0	0
67.5	10	0	0	0	0	0	0	0	0	0	0
90.0	1	0	0	0	0	0	0	0	0	0	0
112.5	2	0	0	0	0	0	0	0	0	0	0
135.0	4	0	0	0	0	0	0	0	0	0	0
157.5	4	0	0	0	0	0	0	0	0	0	0
180.0	1	0	0	0	0	0	0	0	0	0	0
202.5	1	0	0	0	0	0	0	0	0	0	0
225.0	1	0	0	0	0	0	0	0	0	0	0
247.5	1	0	0	0	0	0	0	0	0	0	0
270.0	1	0	0	0	0	0	0	0	0	0	0
292.5	3	0	0	0	0	0	0	0	0	0	0
315.0	2	0	0	0	0	0	0	0	0	0	0
337.5	1	0	0	0	0	0	0	0	0	0	0
360.0	1	0	0	0	0	0	0	0	0	0	0
	148	21	7	1	0	0	0	0	0	0	142

WIND SPEED
CALM WINDS
PERCENT CALM
MISSING

LINCOLN GENERATING STATION
LEATHER STATION NO. 1
LAKE RATE WIND DISTRIBUTION
1940

LOCATION 3007
DEG C/100M
(256-247)
LAKE RATE
ALL STABILITIES

DIRECTION	1-7		8-12		13-18		19-24		25 PLUS		ALL STABILITIES	
	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT
23-5	74	1.1	81	1.2	0	0.0	0	0.0	0	0.0	174	2.8
25-6	99	1.4	82	1.2	0	0.0	0	0.0	0	0.0	104	1.7
27-5	111	1.6	82	1.2	1	0.0	0	0.0	0	0.0	104	1.7
29-6	130	2.0	151	2.3	4	0.0	0	0.0	0	0.0	229	3.8
31-5	91	1.3	79	1.1	12	0.0	0	0.0	0	0.0	352	5.8
33-6	77	1.1	79	1.1	1	0.0	0	0.0	0	0.0	170	2.8
35-5	77	1.1	79	1.1	3	0.0	0	0.0	0	0.0	190	3.2
37-6	77	1.1	79	1.1	3	0.0	0	0.0	0	0.0	249	4.1
39-5	140	2.0	108	1.6	7	0.0	0	0.0	0	0.0	179	3.0
41-6	150	2.2	108	1.6	7	0.0	0	0.0	0	0.0	319	5.3
43-5	184	2.7	108	1.6	7	0.0	0	0.0	0	0.0	414	6.9
45-6	182	2.7	108	1.6	7	0.0	0	0.0	0	0.0	355	5.9
47-5	219	3.2	108	1.6	22	0.0	0	0.0	0	0.0	482	8.0
49-6	212	3.1	108	1.6	108	1.7	0	0.0	0	0.0	1004	16.7
51-5	140	2.0	108	1.6	172	2.8	3	0.0	0	0.0	997	16.6
53-6	100	1.5	134	2.0	184	3.0	37	0.6	0	0.0	1187	19.8
55-5	108	1.6	134	2.0	51	0.8	0	0.0	0	0.0	412	6.9
57-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
59-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
61-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
63-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
65-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
67-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
69-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
71-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
73-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
75-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
77-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
79-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
81-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
83-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
85-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
87-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
89-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
91-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
93-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
95-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
97-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
99-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
101-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
103-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
105-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
107-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
109-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
111-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
113-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
115-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
117-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
119-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
121-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
123-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
125-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
127-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
129-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
131-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
133-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
135-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
137-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
139-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
141-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
143-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
145-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
147-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
149-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
151-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
153-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
155-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
157-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
159-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
161-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
163-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
165-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
167-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
169-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
171-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
173-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
175-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
177-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
179-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
181-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
183-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
185-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
187-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
189-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
191-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
193-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
195-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
197-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
199-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
201-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
203-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
205-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
207-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
209-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
211-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
213-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
215-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
217-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
219-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
221-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
223-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
225-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
227-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
229-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
231-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
233-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
235-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
237-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
239-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
241-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
243-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
245-6	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	4.8
247-5	108	1.6	134	2.0	2	0.0	0	0.0	0	0.0	287	

LIPFICK GENERATING STATION
WEATHER STATION NO. 1
LARGE WIND DISTRIBUTION

DIRECTION	LOCATION 1967										NEG C/100M (246-248)	LARGE RATE 10-15 CLASS 4	
	1-3	4-7	8-12	13-18	19-24	25 PLUS	8-14	15-19	20-24	25 PLUS			
22-30	2	1	1	1	1	1	1	1	1	1	1	1	1
31-39	1	1	1	1	1	1	1	1	1	1	1	1	1
40-48	1	1	1	1	1	1	1	1	1	1	1	1	1
49-57	1	1	1	1	1	1	1	1	1	1	1	1	1
58-66	1	1	1	1	1	1	1	1	1	1	1	1	1
67-75	1	1	1	1	1	1	1	1	1	1	1	1	1
76-84	1	1	1	1	1	1	1	1	1	1	1	1	1
85-93	1	1	1	1	1	1	1	1	1	1	1	1	1
94-102	1	1	1	1	1	1	1	1	1	1	1	1	1
103-111	1	1	1	1	1	1	1	1	1	1	1	1	1
112-120	1	1	1	1	1	1	1	1	1	1	1	1	1
121-129	1	1	1	1	1	1	1	1	1	1	1	1	1
130-138	1	1	1	1	1	1	1	1	1	1	1	1	1
139-147	1	1	1	1	1	1	1	1	1	1	1	1	1
148-156	1	1	1	1	1	1	1	1	1	1	1	1	1
157-165	1	1	1	1	1	1	1	1	1	1	1	1	1
166-174	1	1	1	1	1	1	1	1	1	1	1	1	1
175-183	1	1	1	1	1	1	1	1	1	1	1	1	1
184-192	1	1	1	1	1	1	1	1	1	1	1	1	1
193-201	1	1	1	1	1	1	1	1	1	1	1	1	1
202-210	1	1	1	1	1	1	1	1	1	1	1	1	1
211-219	1	1	1	1	1	1	1	1	1	1	1	1	1
220-228	1	1	1	1	1	1	1	1	1	1	1	1	1
229-237	1	1	1	1	1	1	1	1	1	1	1	1	1
238-246	1	1	1	1	1	1	1	1	1	1	1	1	1
247-255	1	1	1	1	1	1	1	1	1	1	1	1	1
256-264	1	1	1	1	1	1	1	1	1	1	1	1	1
265-273	1	1	1	1	1	1	1	1	1	1	1	1	1
274-282	1	1	1	1	1	1	1	1	1	1	1	1	1
283-291	1	1	1	1	1	1	1	1	1	1	1	1	1
292-300	1	1	1	1	1	1	1	1	1	1	1	1	1
301-309	1	1	1	1	1	1	1	1	1	1	1	1	1
310-318	1	1	1	1	1	1	1	1	1	1	1	1	1
319-327	1	1	1	1	1	1	1	1	1	1	1	1	1
328-336	1	1	1	1	1	1	1	1	1	1	1	1	1
337-345	1	1	1	1	1	1	1	1	1	1	1	1	1
346-354	1	1	1	1	1	1	1	1	1	1	1	1	1
355-363	1	1	1	1	1	1	1	1	1	1	1	1	1
364-372	1	1	1	1	1	1	1	1	1	1	1	1	1
373-381	1	1	1	1	1	1	1	1	1	1	1	1	1
382-390	1	1	1	1	1	1	1	1	1	1	1	1	1
391-399	1	1	1	1	1	1	1	1	1	1	1	1	1
400-408	1	1	1	1	1	1	1	1	1	1	1	1	1
409-417	1	1	1	1	1	1	1	1	1	1	1	1	1
418-426	1	1	1	1	1	1	1	1	1	1	1	1	1
427-435	1	1	1	1	1	1	1	1	1	1	1	1	1
436-444	1	1	1	1	1	1	1	1	1	1	1	1	1
445-453	1	1	1	1	1	1	1	1	1	1	1	1	1
454-462	1	1	1	1	1	1	1	1	1	1	1	1	1
463-471	1	1	1	1	1	1	1	1	1	1	1	1	1
472-480	1	1	1	1	1	1	1	1	1	1	1	1	1
481-489	1	1	1	1	1	1	1	1	1	1	1	1	1
490-498	1	1	1	1	1	1	1	1	1	1	1	1	1
499-507	1	1	1	1	1	1	1	1	1	1	1	1	1
508-516	1	1	1	1	1	1	1	1	1	1	1	1	1
517-525	1	1	1	1	1	1	1	1	1	1	1	1	1
526-534	1	1	1	1	1	1	1	1	1	1	1	1	1
535-543	1	1	1	1	1	1	1	1	1	1	1	1	1
544-552	1	1	1	1	1	1	1	1	1	1	1	1	1
553-561	1	1	1	1	1	1	1	1	1	1	1	1	1
562-570	1	1	1	1	1	1	1	1	1	1	1	1	1
571-579	1	1	1	1	1	1	1	1	1	1	1	1	1
580-588	1	1	1	1	1	1	1	1	1	1	1	1	1
589-597	1	1	1	1	1	1	1	1	1	1	1	1	1
598-606	1	1	1	1	1	1	1	1	1	1	1	1	1
607-615	1	1	1	1	1	1	1	1	1	1	1	1	1
616-624	1	1	1	1	1	1	1	1	1	1	1	1	1
625-633	1	1	1	1	1	1	1	1	1	1	1	1	1
634-642	1	1	1	1	1	1	1	1	1	1	1	1	1
643-651	1	1	1	1	1	1	1	1	1	1	1	1	1
652-660	1	1	1	1	1	1	1	1	1	1	1	1	1
661-669	1	1	1	1	1	1	1	1	1	1	1	1	1
670-678	1	1	1	1	1	1	1	1	1	1	1	1	1
679-687	1	1	1	1	1	1	1	1	1	1	1	1	1
688-696	1	1	1	1	1	1	1	1	1	1	1	1	1
697-705	1	1	1	1	1	1	1	1	1	1	1	1	1
706-714	1	1	1	1	1	1	1	1	1	1	1	1	1
715-723	1	1	1	1	1	1	1	1	1	1	1	1	1
724-732	1	1	1	1	1	1	1	1	1	1	1	1	1
733-741	1	1	1	1	1	1	1	1	1	1	1	1	1
742-750	1	1	1	1	1	1	1	1	1	1	1	1	1
751-759	1	1	1	1	1	1	1	1	1	1	1	1	1
760-768	1	1	1	1	1	1	1	1	1	1	1	1	1
769-777	1	1	1	1	1	1	1	1	1	1	1	1	1
778-786	1	1	1	1	1	1	1	1	1	1	1	1	1
787-795	1	1	1	1	1	1	1	1	1	1	1	1	1
796-804	1	1	1	1	1	1	1	1	1	1	1	1	1
805-813	1	1	1	1	1	1	1	1	1	1	1	1	1
814-822	1	1	1	1	1	1	1	1	1	1	1	1	1
823-831	1	1	1	1	1	1	1	1	1	1	1	1	1
832-840	1	1	1	1	1	1	1	1	1	1	1	1	1
841-849	1	1	1	1	1	1	1	1	1	1	1	1	1
850-858	1	1	1	1	1	1	1	1	1	1	1	1	1
859-867	1	1	1	1	1	1	1	1	1	1	1	1	1
868-876	1	1	1	1	1	1	1	1	1	1	1	1	1
877-885	1	1	1	1	1	1	1	1	1	1	1	1	1
886-894	1	1	1	1	1	1	1	1	1	1	1	1	1
895-903	1	1	1	1	1	1	1	1	1	1	1	1	1
904-912	1	1	1	1	1	1	1	1	1	1	1	1	1
913-921	1	1	1	1	1	1	1	1	1	1	1	1	1
922-930	1	1	1	1	1	1	1	1	1	1	1	1	1
931-939	1	1	1	1	1	1	1	1	1	1	1	1	1
940-948	1	1	1	1	1	1	1	1	1	1	1	1	1
949-957	1	1	1	1	1	1	1	1	1	1	1	1	1
958-966	1	1	1	1	1	1	1	1	1	1	1	1	1
967-975	1	1	1	1	1	1	1	1	1	1	1	1	1
976-984	1	1	1	1	1	1	1	1	1	1	1	1	1
985-993	1	1	1	1	1	1	1	1	1	1	1	1	1
994-1002	1	1	1	1	1	1	1	1	1	1	1	1	1

MEAN WIND SPEED 0.0
CALCULATED 0.0
PERCENT CALM 0.0
MISSING 0.0

LIMBICK GENERATING STATION
 WEATHER STATION NO. 1
 LAPSE RATE WIND DISTRIBUTION
 1980
 LOCATION 17867

DIRECTION	1-9		10-19		20-29		30-39		40-49		50-59		60-69		70-79		80-89		90-99		100-109		110-119		120-129		130-139		140-149		150-159		160-169		170-179		180-189		190-199		200-209		210-219		220-229		230-239		240-249		250-259		260-269		270-279		280-289		290-299		300-309		310-319		320-329		330-339		340-349		350-359		360-369		370-379		380-389		390-399		400-409		410-419		420-429		430-439		440-449		450-459		460-469		470-479		480-489		490-499		500-509		510-519		520-529		530-539		540-549		550-559		560-569		570-579		580-589		590-599		600-609		610-619		620-629		630-639		640-649		650-659		660-669		670-679		680-689		690-699		700-709		710-719		720-729		730-739		740-749		750-759		760-769		770-779		780-789		790-799		800-809		810-819		820-829		830-839		840-849		850-859		860-869		870-879		880-889		890-899		900-909		910-919		920-929		930-939		940-949		950-959		960-969		970-979		980-989		990-999		1000-1009		1010-1019		1020-1029		1030-1039		1040-1049		1050-1059		1060-1069		1070-1079		1080-1089		1090-1099		1100-1109		1110-1119		1120-1129		1130-1139		1140-1149		1150-1159		1160-1169		1170-1179		1180-1189		1190-1199		1200-1209		1210-1219		1220-1229		1230-1239		1240-1249		1250-1259		1260-1269		1270-1279		1280-1289		1290-1299		1300-1309		1310-1319		1320-1329		1330-1339		1340-1349		1350-1359		1360-1369		1370-1379		1380-1389		1390-1399		1400-1409		1410-1419		1420-1429		1430-1439		1440-1449		1450-1459		1460-1469		1470-1479		1480-1489		1490-1499		1500-1509		1510-1519		1520-1529		1530-1539		1540-1549		1550-1559		1560-1569		1570-1579		1580-1589		1590-1599		1600-1609		1610-1619		1620-1629		1630-1639		1640-1649		1650-1659		1660-1669		1670-1679		1680-1689		1690-1699		1700-1709		1710-1719		1720-1729		1730-1739		1740-1749		1750-1759		1760-1769		1770-1779		1780-1789		1790-1799		1800-1809		1810-1819		1820-1829		1830-1839		1840-1849		1850-1859		1860-1869		1870-1879		1880-1889		1890-1899		1900-1909		1910-1919		1920-1929		1930-1939		1940-1949		1950-1959		1960-1969		1970-1979		1980-1989		1990-1999		2000-2009		2010-2019		2020-2029		2030-2039		2040-2049		2050-2059		2060-2069		2070-2079		2080-2089		2090-2099		2100-2109		2110-2119		2120-2129		2130-2139		2140-2149		2150-2159		2160-2169		2170-2179		2180-2189		2190-2199		2200-2209		2210-2219		2220-2229		2230-2239		2240-2249		2250-2259		2260-2269		2270-2279		2280-2289		2290-2299		2300-2309		2310-2319		2320-2329		2330-2339		2340-2349		2350-2359		2360-2369		2370-2379		2380-2389		2390-2399		2400-2409		2410-2419		2420-2429		2430-2439		2440-2449		2450-2459		2460-2469		2470-2479		2480-2489		2490-2499		2500-2509		2510-2519		2520-2529		2530-2539		2540-2549		2550-2559		2560-2569		2570-2579		2580-2589		2590-2599		2600-2609		2610-2619		2620-2629		2630-2639		2640-2649		2650-2659		2660-2669		2670-2679		2680-2689		2690-2699		2700-2709		2710-2719		2720-2729		2730-2739		2740-2749		2750-2759		2760-2769		2770-2779		2780-2789		2790-2799		2800-2809		2810-2819		2820-2829		2830-2839		2840-2849		2850-2859		2860-2869		2870-2879		2880-2889		2890-2899		2900-2909		2910-2919		2920-2929		2930-2939		2940-2949		2950-2959		2960-2969		2970-2979		2980-2989		2990-2999		3000-3009		3010-3019		3020-3029		3030-3039		3040-3049		3050-3059		3060-3069		3070-3079		3080-3089		3090-3099		3100-3109		3110-3119		3120-3129		3130-3139		3140-3149		3150-3159		3160-3169		3170-3179		3180-3189		3190-3199		3200-3209		3210-3219		3220-3229		3230-3239		3240-3249		3250-3259		3260-3269		3270-3279		3280-3289		3290-3299		3300-3309		3310-3319		3320-3329		3330-3339		3340-3349		3350-3359		3360-3369		3370-3379		3380-3389		3390-3399		3400-3409		3410-3419		3420-3429		3430-3439		3440-3449		3450-3459		3460-3469		3470-3479		3480-3489		3490-3499		3500-3509		3510-3519		3520-3529		3530-3539		3540-3549		3550-3559		3560-3569		3570-3579		3580-3589		3590-3599		3600-3609		3610-3619		3620-3629		3630-3639		3640-3649		3650-3659		3660-3669		3670-3679		3680-3689		3690-3699		3700-3709		3710-3719		3720-3729		3730-3739		3740-3749		3750-3759		3760-3769		3770-3779		3780-3789		3790-3799		3800-3809		3810-3819		3820-3829		3830-3839		3840-3849		3850-3859		3860-3869		3870-3879		3880-3889		3890-3899		3900-3909		3910-3919		3920-3929		3930-3939		3940-3949		3950-3959		3960-3969		3970-3979		3980-3989		3990-3999		4000-4009		4010-4019		4020-4029		4030-4039		4040-4049		4050-4059		4060-4069		4070-4079		4080-4089		4090-4099		4100-4109		4110-4119		4120-4129		4130-4139		4140-4149		4150-4159		4160-4169		4170-4179		4180-4189		4190-4199		4200-4209		4210-4219		4220-4229		4230-4239		4240-4249		4250-4259		4260-4269		4270-4279		4280-4289		4290-4299		4300-4309		4310-4319		4320-4329		4330-4339		4340-4349		4350-4359		4360-4369		4370-4379		4380-4389		4390-4399		4400-4409		4410-4419		4420-4429		4430-4439		4440-4449		4450-4459		4460-4469		4470-4479		4480-4489		4490-4499		4500-4509		4510-4519		4520-4529		4530-4539		4540-4549		4550-4559		4560-4569		4570-4579		4580-4589		4590-4599		4600-4609		4610-4619		4620-4629		4630-4639		4640-4649		4650-4659		4660-4669		4670-4679		4680-4689		4690-4699		4700-4709		4710-4719		4720-4729		4730-4739		4740-4749		4750-4759		4760-4769		4770-4779		4780-4789		4790-4799		4800-4809		4810-4819		4820-4829		4830-4839		4840-4849		4850-4859		4860-4869		4870-4879		4880-4889		4890-4899		4900-4909		4910-4919		4920-4929		4930-4939		4940-4949		4950-4959		4960-4969		4970-4979		4980-4989		4990-4999		5000-5009		5010-5019		5020-5029		5030-5039		5040-5049		5050-5059		5060-5069		5070-5079		5080-5089		5090-5099		5100-5109		5110-5119		5120-5129		5130-5139		5140-5149		5150-5159		5160-5169		5170-5179		5180-5189		5190-5199		5200-5209		5210-5219		5220-5229		5230-5239		5240-5249		5250-5259		5260-5269		5270-5279		5280-5289		5290-5299		5300-5309		5310-5319		5320-5329		5330-5339		5340-5349		5350-5359		5360-5369		5370-5379		5380-5389		5390-5399		5400-5409		5410-5419		5420-5429		5430-5439		5440-5449		5450-5459		5460-5469		5470-5479		5480-5489		5490-5499		5500-5509		5510-5519		5520-5529		5530-5539		5540-5549		5550-5559		5560-5569		5570-5579		5580-5589		5590-5599		5600-5609		5610-5619		5620-5629		5630-5639		5640-5649		5650-5659		5660-5669		5670-5679		5680-5689		5690-5699		5700-5709		5710-5719		5720-5729		5730-5739		5740-5749		5750-5759		5760-5769		5770-5779		5780-5789		5790-5799		5800-5809		5810-5819		5820-5829		5830-5839		5840-5849		5850-5859		5860-5869		5870-5879		5880-5889		5890-5899		5900-5909		5910-5919		5920-5929		5930-5939		5940-5949		5950-5959		5960-5969		5970-5979		5980-5989		5990-5999		6000-6009		6010-6019		6020-6029		6030-6039		6040-6049		6050-6059		6060-6069		6070-6079		6080-6089		6090-6099		6100-6109		6110-6119		6120-6129		6130-6139		6140-6149		6150-6159		6160-6169		6170-6179		6180-6189		6190-6199		6200-6209		6210-6219		6220-6229		6230-6239		6240-6249		6250-6259		6260-6269		6270-6279		6280-6289		6290-6299		6300-6309		6310-6319		6320-6329		6330-6339		6340-6349		6350-6359		6360-6369		6370-6379		6380-6389		6390-6399		6400-6409		6410-6419		6420-6429		6430-6439		6440-6449		6450-6459		6460-6469		6470-6479		6480-6489		6490-6499		6500-6509		6510-6519		6520-6529		6530-6539		6540-6549		6550-6559		6560-6569		6570-6579		6580-6589		6590-6599		6600-6609		6610-6619		6620-6629		6630-6639		6640-6649		6650-6659		6660-6669		6670-6679		6680-6689		6690-6699		6700-6709		6710-6719		6720-6729		6730-6739		6740-6749		6750-6759		6760-6769		6770-6779		6780-6789		6790-6799		6800-6809		6810-6819		6820-6829		6830-6839		6840-6849		6850-6859		6860-6869		6870-6879		6880-6889		6890-6899		6900-6909		6910-6919		6920-6929		6930-6939		6940-6949		6950-6959		6960-6969		6970-6979		6980-6989		6990-6999		7000-7009		7010-7019		7020-7029		7030-7039		7040-7049		7050-7059		7060-7069		7070-7079		7080-7089		7090-7099		7100-7109		7110-7119		7120-7129		7130-7139		7140-7149		7150-7159		7160-7169		7170-7179		7180-7189		7190-7199		7200-7209		7210-7219		7220-7229		7230-7239		7240-7249		7250-7259		7260-7269		7270-7279		7280-7289		7290-7299		7300-7309		7310-7319		7320-7329		7330-7339		7340-7349		7350-7359		7360-7369		7370-7379		7380-7389		7390-7399		7400-7409	
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LIVERICK GENERATING STATION
WEATHER STATION NO. 1
LARGE WAVE WIND DISTRIBUTION

DIRECTION	LOCATION 1745T										LARGE WAVE -1.5/ -1.5 CLASS C	
	1-5	6-7	8-12	13-18	19-24	25 PLUS	NEG C/100H (266-26FT)					
22-0	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT
45-0	1	1	1	1	1	1	1	1	1	1	1	1
47-0	1	1	1	1	1	1	1	1	1	1	1	1
90-0	1	1	1	1	1	1	1	1	1	1	1	1
112-0	1	1	1	1	1	1	1	1	1	1	1	1
125-0	1	1	1	1	1	1	1	1	1	1	1	1
157-0	1	1	1	1	1	1	1	1	1	1	1	1
180-0	1	1	1	1	1	1	1	1	1	1	1	1
202-0	1	1	1	1	1	1	1	1	1	1	1	1
225-0	1	1	1	1	1	1	1	1	1	1	1	1
247-0	1	1	1	1	1	1	1	1	1	1	1	1
262-0	1	1	1	1	1	1	1	1	1	1	1	1
315-0	1	1	1	1	1	1	1	1	1	1	1	1
337-0	1	1	1	1	1	1	1	1	1	1	1	1
360-0	1	1	1	1	1	1	1	1	1	1	1	1

MEAN WIND SPEED 11.8
CALM HOURS 0
PERCENT CALM 0
WINDING 00

LIVERICK GENERATING STATION
WEATHER STATION NO. 1
LAKE RATE WIND DISTRIBUTION
1960
LOCATION 17587

DIRECTION	1-5		6-7		8-12		13-14		19-24		25 PLUS		LAPSE RATE (266-24FT)		LAPSE RATE -1.0/-0.5 CLASS D	
	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT
22.0	18	3.2	31	5.7	28	5.1	9	1.7	0	0.0	0	0.0	0	0.0	0	0.0
45.0	14	2.6	42	7.8	40	7.5	7	1.3	0	0.0	0	0.0	107	1.9	1	0.2
67.5	14	2.6	37	6.9	30	5.6	19	3.5	0	0.0	0	0.0	134	2.4	1	0.2
90.0	26	4.8	68	12.6	74	13.8	32	5.9	1	0.2	0	0.0	222	4.0	2	0.4
112.5	22	4.1	58	10.8	34	6.3	7	1.3	1	0.2	0	0.0	100	1.8	1	0.2
135.0	15	2.8	38	7.0	22	4.1	27	5.0	1	0.2	0	0.0	103	1.9	1	0.2
157.5	27	5.0	68	12.6	47	8.7	24	4.4	1	0.2	0	0.0	147	2.7	2	0.4
180.0	29	5.3	51	9.4	47	8.7	21	3.9	1	0.2	0	0.0	150	2.7	2	0.4
202.5	24	4.4	40	7.4	44	8.2	21	3.9	1	0.2	0	0.0	154	2.8	2	0.4
225.0	21	3.9	35	6.5	38	7.0	11	2.0	1	0.2	0	0.0	104	1.9	1	0.2
247.5	19	3.5	38	7.0	35	6.5	29	5.3	1	0.2	0	0.0	129	2.3	1	0.2
270.0	34	6.3	44	8.2	50	9.3	51	9.4	3	0.5	0	0.0	221	4.0	3	0.6
292.5	37	6.9	50	9.3	105	19.5	124	23.0	6	1.1	1	0.2	321	5.8	5	1.0
315.0	17	3.2	32	5.9	100	18.7	190	35.3	7	1.3	1	0.2	440	8.0	4	0.8
337.5	12	2.2	24	4.4	57	10.6	78	14.4	1	0.2	0	0.0	163	3.0	2	0.4
360.0	15	2.8	34	6.3	42	7.8	28	5.1	0	0.0	0	0.0	166	3.0	2	0.4
	300	5.6	704	12.9	841	15.5	602	11.1	224	4.1	65	1.2	2604	47.1	34	6.3

MEAN WIND SPEED 10.2
CALM HOURS 45
PERCENT CALM 4
MISSING 243

CLIMATE DIVISION
LEADERSHIP DIVISION
PLANNING DIVISION
TECHNICAL SERVICES DIVISION

LOCATION 17557

DEG C/100M
(2460-2465)
LAPSE RATE
= 0.4 / 1.5 CLASS 1

[illegible]

MEAN AND MODE	7.4
CALCULUS	4.4
PERCENTAGE	4.4
MISSING	2.4

DEC 2/100H
(264-248)
LAPSE RATE
1.0 / 10. CLASS 1

YEAR WIND SPEED
CALM HOURS
PERCENT CALM
MISSING

[illegible]

1986

1244-2464

Station	Time	Wind	Temp	Humid	Barom	Clouds	Remarks
1	0000	000	50.0	85	30.00	0	
2	0100	000	50.0	85	30.00	0	
3	0200	000	50.0	85	30.00	0	
4	0300	000	50.0	85	30.00	0	
5	0400	000	50.0	85	30.00	0	
6	0500	000	50.0	85	30.00	0	
7	0600	000	50.0	85	30.00	0	
8	0700	000	50.0	85	30.00	0	
9	0800	000	50.0	85	30.00	0	
10	0900	000	50.0	85	30.00	0	
11	1000	000	50.0	85	30.00	0	
12	1100	000	50.0	85	30.00	0	
13	1200	000	50.0	85	30.00	0	
14	1300	000	50.0	85	30.00	0	
15	1400	000	50.0	85	30.00	0	
16	1500	000	50.0	85	30.00	0	
17	1600	000	50.0	85	30.00	0	
18	1700	000	50.0	85	30.00	0	
19	1800	000	50.0	85	30.00	0	
20	1900	000	50.0	85	30.00	0	
21	2000	000	50.0	85	30.00	0	
22	2100	000	50.0	85	30.00	0	
23	2200	000	50.0	85	30.00	0	
24	2300	000	50.0	85	30.00	0	
25	0000	000	50.0	85	30.00	0	

[illegible]

LIMERICK GENERATING STATION
 WEATHER STATION NO. 1
 LAPSE RATE WIND DISTRIBUTION
 1960
 LOCATION 175FT

DEG C/100M
 (246-26FT) LAPSE RATE
 ALL STABILITIES

SPENDS (MT/HR)														
1-3			4-7		8-12		13-18		19-24		25 PLUS		SUM PERCENT	
DIRECTION	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT		
22.5	43	.4	82	1.1	74	1.0	15	.2	0	0.0	0	0.0	214	2.8
45.0	36	.5	88	1.2	62	.8	11	.1	2	.0	0	0.0	199	2.6
67.5	50	.7	100	1.3	55	.7	20	.3	3	.0	0	0.0	228	3.0
90.0	60	.8	148	1.9	106	1.4	36	.5	3	.0	0	0.0	350	4.6
112.5	59	.7	74	1.0	71	.9	11	.1	2	.0	0	0.0	212	2.8
135.0	46	.6	78	1.0	45	.6	31	.4	5	.1	0	0.0	205	2.7
157.5	78	1.0	114	1.5	100	1.3	38	.5	9	.1	0	0.0	336	4.4
180.0	78	1.0	156	2.1	150	2.0	44	.6	7	.1	0	0.0	432	5.7
202.5	81	1.1	148	1.9	115	1.5	67	.9	13	.2	1	.0	425	5.6
225.0	80	1.1	160	2.1	134	1.8	59	.8	3	.0	1	.0	417	5.5
247.5	100	1.3	143	1.7	114	1.5	49	.6	21	.3	2	.0	417	5.5
270.0	147	1.9	248	3.3	203	2.7	114	1.5	44	.6	13	.2	769	10.1
292.5	147	1.9	364	4.8	389	5.1	250	3.3	93	1.2	43	.6	1286	16.9
315.0	71	.9	218	2.9	323	4.2	364	4.8	117	1.5	37	.5	1112	14.6
337.5	54	.7	107	1.4	156	2.1	115	1.5	15	.2	1	.0	440	5.8
360.0	60	.8	136	1.8	134	1.8	49	.6	0	0.0	0	0.0	389	5.1

NEG C/10M
LARGE DATA
LE-1.9 CLASS A

9

LOCATION 27084

[illegible]

10.2
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 10.2
 2
 0
 2

LIVERICK GENERATING STATION
WEATHER STATION NO. 1
LAKE RATE WIND DISTRIBUTION
1940
LOCATION 270FT

DIRECTION	1-5		6-7		8-12		13-18		19-24		25-30		LAKE RATE -1.8/-1.7 CLASS B	
	SUM PERCENT	NUM	SUM PERCENT	NUM	SUM PERCENT	NUM	SUM PERCENT	NUM	SUM PERCENT	NUM	SUM PERCENT	NUM	SUM PERCENT	NUM
22.0	0.0	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
45.0	0.0	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
67.0	0.0	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
90.0	0.0	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
112.0	0.0	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
135.0	0.0	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
157.0	0.0	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
180.0	0.0	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
202.0	0.0	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
225.0	0.0	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
247.0	0.0	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
270.0	0.0	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
292.0	0.0	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
315.0	0.0	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
337.0	0.0	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
360.0	0.0	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
TOTAL	10.0	122	10.0	122	10.0	122	10.0	122	10.0	122	10.0	122	10.0	122

MEAN WIND SPEED 12.0
CALM HOURS 0.0
PERCENT CALM 0.0
MISSING 0.0

LINERICK GENERATING STATION
WEATHER STATION NO. 1
LAPSE RATE WIND DISTRIBUTION

1940
LOCATION 270FT

DEG C/100H
(266-26FT)

LAPSE RATE
-1.4/ -0.5 CLASS D

DIRECTION	1-3		4-7		SPEEDS (MI/HR) 8-12		13-14		19-24		25 PLUS		SUM PERCENT	
	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT		
22.5	12	.2	24	.3	40	.5	23	.3	0	0.0	0	0.0	100	1.3
45.0	2	.0	24	.3	33	.4	24	.3	4	.1	4	0.0	91	1.2
67.5	5	.1	44	.6	33	.4	23	.3	5	.1	1	0.0	115	1.5
90.0	14	.2	44	.6	46	1.2	49	.7	6	.1	0	0.0	205	2.8
112.5	5	.1	24	.3	35	.5	22	.3	2	0.0	0	0.0	92	1.2
135.0	4	.1	20	.3	29	.4	25	.3	7	.1	5	.1	94	1.3
157.5	16	.2	25	.3	44	.6	21	.3	12	.2	1	0.0	123	1.7
180.0	14	.2	39	.5	44	.6	34	.5	9	.1	3	0.0	144	1.9
202.5	20	.3	25	.3	34	.5	42	.6	13	.2	5	.1	143	1.9
225.0	14	.2	34	.5	41	.6	14	.2	1	0.0	0	0.0	110	1.5
247.5	4	.1	25	.3	34	.5	29	.4	17	.2	7	.1	120	1.6
270.0	15	.2	34	.5	44	.6	50	.7	19	.3	15	.2	141	1.9
292.5	19	.3	41	.6	69	.9	104	1.4	67	.9	65	.9	369	5.0
315.0	14	.2	44	.6	41	1.1	204	2.8	119	1.6	70	.9	540	7.3
337.5	11	.1	15	.2	44	.6	92	1.3	34	.5	4	.1	205	2.8
360.0	4	.1	20	.3	51	.7	60	.8	7	.1	4	.1	151	2.0
	191	2.6	505	6.8	751	10.1	824	11.2	323	4.3	184	2.5	2743	37.5

MEAN WIND SPEED 12.4
CALM HOURS 15
PERCENT CALM .5
MISSING 356

LIMERICK GENERATING STATION
 WEATHER STATION NO. 1
 LAPSE RATE WIND DISTRIBUTION
 1980
 LOCATION 27087

DEG C/100M
 (266-2677)

LAPSE RATE
 -0.47 1.5 CLASS F

DIRECTION	1-3		4-7		8-12		13-14		19-24		25 PLUS		SUM PERCENT	
	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT		
22.5	7	.1	17	.2	47	.5	18	.2	1	.0	0	0.0	78	1.1
45.0	3	.0	28	.4	34	.5	5	.1	0	0.0	1	.0	71	1.0
67.5	0	.1	22	.3	19	.3	2	.0	3	.0	2	.0	52	.7
90.0	8	.1	8	.1	32	.4	8	.1	2	.0	0	0.0	55	.7
112.5	6	.1	16	.2	20	.3	11	.1	2	.0	0	0.0	55	.7
135.0	8	.1	18	.2	27	.4	11	.1	1	.0	0	0.0	65	.9
157.5	7	.1	23	.3	44	.6	7	.1	1	.0	0	0.0	82	1.1
180.0	11	.1	39	.6	58	.8	34	.5	10	.1	1	.0	153	2.1
202.5	4	.1	30	.4	51	.7	39	.5	4	.1	2	.0	137	1.9
225.0	5	.1	56	.8	68	.9	22	.3	5	.1	2	.0	156	2.1
247.5	12	.2	42	.6	53	.7	18	.2	3	.0	2	.0	125	1.7
270.0	13	.2	71	1.0	66	.9	46	.6	7	.1	3	.1	208	2.8
292.5	8	.1	78	1.0	129	1.7	124	1.7	27	.4	8	.1	366	4.9
315.0	7	.1	44	.6	127	1.7	140	1.9	18	.2	3	.0	339	4.6
337.5	6	.1	22	.3	63	.8	40	.5	4	.1	0	0.0	135	1.8
360.0	11	.1	20	.3	61	.8	38	.5	3	.0	0	0.0	130	1.8
	119	1.6	828	7.1	891	12.0	555	7.6	94	1.3	24	.3	2209	29.7

MEAN WIND SPEED 10.8
 CALM HOURS 25
 PERCENT CALM .3
 MISSING 334

LEMICK GENERATING STATION
 WEATHER STATION NO. 1
 LAKE RATE WIND DISTRIBUTION
 1960

DIRECTION	1-3		4-7		8-12		13-14		15-24		25 PLUS		LAKE RATE 1.6 / 4.0 CLASS F	
	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT
225	1	1.4	12	1.4	2	1.4	1	1.4	0	0.0	0	0.0	30	1.4
225	1	1.4	12	1.4	2	1.4	1	1.4	0	0.0	0	0.0	28	1.4
225	1	1.4	12	1.4	2	1.4	1	1.4	0	0.0	0	0.0	13	1.4
225	1	1.4	12	1.4	2	1.4	1	1.4	0	0.0	0	0.0	15	1.4
225	1	1.4	12	1.4	2	1.4	1	1.4	0	0.0	0	0.0	17	1.4
225	1	1.4	12	1.4	2	1.4	1	1.4	0	0.0	0	0.0	20	1.4
225	1	1.4	12	1.4	2	1.4	1	1.4	0	0.0	0	0.0	19	1.4
225	1	1.4	12	1.4	2	1.4	1	1.4	0	0.0	0	0.0	41	1.4
225	1	1.4	12	1.4	2	1.4	1	1.4	0	0.0	0	0.0	51	1.4
225	1	1.4	12	1.4	2	1.4	1	1.4	0	0.0	0	0.0	44	1.4
225	1	1.4	12	1.4	2	1.4	1	1.4	0	0.0	0	0.0	90	1.4
225	1	1.4	12	1.4	2	1.4	1	1.4	0	0.0	0	0.0	156	1.4
225	1	1.4	12	1.4	2	1.4	1	1.4	0	0.0	0	0.0	21	1.4
225	1	1.4	12	1.4	2	1.4	1	1.4	0	0.0	0	0.0	47	1.4
225	1	1.4	12	1.4	2	1.4	1	1.4	0	0.0	0	0.0	46	1.4
225	1	1.4	12	1.4	2	1.4	1	1.4	0	0.0	0	0.0	50	1.4
225	1	1.4	12	1.4	2	1.4	1	1.4	0	0.0	0	0.0	50	1.4
225	1	1.4	12	1.4	2	1.4	1	1.4	0	0.0	0	0.0	725	1.4
225	1	1.4	12	1.4	2	1.4	1	1.4	0	0.0	0	0.0	9.4	1.4

MEAN WIND SPEED 7.4
 CALM HOURS 20
 PERCENT CALM 1.4
 MISSING 4.4

NEG C/100W
(246-24FT)
LARGE RAY
ST. G. CLASS G

LOCATION 27057

[illegible]

NEW	WIDOWED	4	2
CALM	NO. 28	1	5
PERCENT	CALM	2	2
MISSING		1	0

DER C/100M LCPSE RATE
(2AB-2AFY) ALL STABILITIES

MISSING HOURS 1358

TOTAL NUMBER OF CALM WINDS	97 PERCENT	1.3
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SECTION II

REC C/100H
11412464
PAGE 0001
PAGE 0001

LOCATION 3969

[illegible]

	mean	s.d.	score
CALM	0.79	0.68	-1.50
DECEPT CALM	0.71	0.62	-2.18
TESTING	0.70	0.61	-2.20

LIMERICK GENERATING STATION
 WEATHER STATION NO. 1
 LAPSE RATE WIND DISTRIBUTION
 1960
 LOCATION 30FT

	1-3	4-7	8-12	13-18	19-24	25 PLUS	LAPSE RATE (171-26FT)	LAPSE RATE -1.8/ = 1.7 CLASS
DIRECTION	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT		
25	3	4	0	0	0	0		1
26	0	1	0	0	0	0		0
27	2	0	0	0	0	0		2
28	2	0	0	0	0	0		4
29	1	0	0	0	0	0		15
30	1	0	0	0	0	0		2
31	1	0	0	0	0	0		2
32	1	0	0	0	0	0		12
33	1	0	0	0	0	0		12
34	1	0	0	0	0	0		13
35	1	0	0	0	0	0		12
36	1	0	0	0	0	0		20
37	1	0	0	0	0	0		24
38	1	0	0	0	0	0		41
39	1	0	0	0	0	0		47
40	1	0	0	0	0	0		19
41	1	0	0	0	0	0		13
42	1	0	0	0	0	0		13
43	1	0	0	0	0	0		20
44	1	0	0	0	0	0		13
45	1	0	0	0	0	0		13
46	1	0	0	0	0	0		13
47	1	0	0	0	0	0		13
48	1	0	0	0	0	0		13
49	1	0	0	0	0	0		13
50	1	0	0	0	0	0		13
51	1	0	0	0	0	0		13
52	1	0	0	0	0	0		13
53	1	0	0	0	0	0		13
54	1	0	0	0	0	0		13
55	1	0	0	0	0	0		13
56	1	0	0	0	0	0		13
57	1	0	0	0	0	0		13
58	1	0	0	0	0	0		13
59	1	0	0	0	0	0		13
60	1	0	0	0	0	0		13
61	1	0	0	0	0	0		13
62	1	0	0	0	0	0		13
63	1	0	0	0	0	0		13
64	1	0	0	0	0	0		13
65	1	0	0	0	0	0		13
66	1	0	0	0	0	0		13
67	1	0	0	0	0	0		13
68	1	0	0	0	0	0		13
69	1	0	0	0	0	0		13
70	1	0	0	0	0	0		13
71	1	0	0	0	0	0		13
72	1	0	0	0	0	0		13
73	1	0	0	0	0	0		13
74	1	0	0	0	0	0		13
75	1	0	0	0	0	0		13
76	1	0	0	0	0	0		13
77	1	0	0	0	0	0		13
78	1	0	0	0	0	0		13
79	1	0	0	0	0	0		13
80	1	0	0	0	0	0		13
81	1	0	0	0	0	0		13
82	1	0	0	0	0	0		13
83	1	0	0	0	0	0		13
84	1	0	0	0	0	0		13
85	1	0	0	0	0	0		13
86	1	0	0	0	0	0		13
87	1	0	0	0	0	0		13
88	1	0	0	0	0	0		13
89	1	0	0	0	0	0		13
90	1	0	0	0	0	0		13
91	1	0	0	0	0	0		13
92	1	0	0	0	0	0		13
93	1	0	0	0	0	0		13
94	1	0	0	0	0	0		13
95	1	0	0	0	0	0		13
96	1	0	0	0	0	0		13
97	1	0	0	0	0	0		13
98	1	0	0	0	0	0		13
99	1	0	0	0	0	0		13
100	1	0	0	0	0	0		13

WIND WIND SPEED
 CALM WINDS
 PERCENT CALM
 MISSING

LIVERICK GENERATING STATION
WEATHER STATION NO. 1
LARGE WAVE WIND DISTRIBUTION
1963

DIRECTION	SPEEDS (MI/HR)				DEG C/100H (171-241)				LARGE WAVE -1.67 -1.5 CLASS C			
	1-3	4-7	8-12	13-14	15-24	25 PLUS	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT
25-0	2	1	0	0	0	0	4	1	4	1	4	1
45-0	1	1	0	0	0	0	1	1	1	1	1	1
67-0	1	1	0	0	0	0	1	1	1	1	1	1
90-0	1	1	0	0	0	0	1	1	1	1	1	1
112-0	1	1	0	0	0	0	1	1	1	1	1	1
135-0	1	1	0	0	0	0	1	1	1	1	1	1
157-0	1	1	0	0	0	0	1	1	1	1	1	1
180-0	1	1	0	0	0	0	1	1	1	1	1	1
202-0	1	1	0	0	0	0	1	1	1	1	1	1
225-0	1	1	0	0	0	0	1	1	1	1	1	1
247-0	1	1	0	0	0	0	1	1	1	1	1	1
270-0	1	1	0	0	0	0	1	1	1	1	1	1
292-0	1	1	0	0	0	0	1	1	1	1	1	1
315-0	1	1	0	0	0	0	1	1	1	1	1	1
337-0	1	1	0	0	0	0	1	1	1	1	1	1
360-0	1	1	0	0	0	0	1	1	1	1	1	1
SUM	50	95	111	30	9	1	264	100	264	100	264	100

MEAN WIND SPEED 7.2
CALM WINDS 9
PERCENT CALM .1
MISTING .1

LINERICK GENERATING STATION
WEATHER STATION NO. 1
LAPSE RATE WIND DISTRIBUTION
1960

DIRECTION	LOCATION 30FT				SPEEDS (MI/HR)				NEG CALOON (171-24FT)				LAPSE RATE -1.4/-0.5 CLASS C	
	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT
1-3	22	2	20	0	1	0	0	0	0	0	0	0	40	0
2-3	31	2	22	0	1	0	0	0	0	0	0	0	42	0
4-3	31	2	22	0	1	0	0	0	0	0	0	0	102	0
5-3	44	3	108	1	3	0	0	0	0	0	0	0	101	0
6-3	27	2	58	0	4	0	0	0	0	0	0	0	109	0
7-3	17	1	32	0	1	0	0	0	0	0	0	0	45	0
8-3	15	1	70	0	2	0	0	0	0	0	0	0	86	0
9-3	35	2	63	0	2	0	0	0	0	0	0	0	114	0
10-3	24	2	20	0	2	0	0	0	0	0	0	0	176	0
11-3	24	2	20	0	2	0	0	0	0	0	0	0	43	0
12-3	24	2	20	0	2	0	0	0	0	0	0	0	75	0
13-3	30	2	58	0	3	0	0	0	0	0	0	0	153	0
14-3	30	2	58	0	3	0	0	0	0	0	0	0	245	0
15-3	30	2	58	0	3	0	0	0	0	0	0	0	243	0
16-3	30	2	58	0	3	0	0	0	0	0	0	0	103	0
17-3	30	2	58	0	3	0	0	0	0	0	0	0	49	0
18-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
19-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
20-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
21-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
22-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
23-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
24-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
25-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
26-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
27-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
28-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
29-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
30-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
31-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
32-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
33-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
34-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
35-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
36-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
37-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
38-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
39-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
40-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
41-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
42-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
43-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
44-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
45-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
46-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
47-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
48-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
49-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
50-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
51-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
52-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
53-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
54-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
55-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
56-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
57-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
58-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
59-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
60-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
61-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
62-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
63-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
64-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
65-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
66-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
67-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
68-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
69-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
70-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
71-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
72-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
73-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
74-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
75-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
76-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
77-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
78-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
79-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
80-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
81-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
82-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
83-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
84-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
85-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
86-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
87-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
88-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
89-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
90-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
91-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
92-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
93-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
94-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
95-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
96-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
97-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
98-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
99-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0
100-3	30	2	58	0	3	0	0	0	0	0	0	0	109	0

MEAN WIND SPEED 7.0
CALC MOUS 4.1
PERCENT CAL 1.0
MISSING 0.0

LYNNHICK GENERATING STATION
WEATHER STATION AD-1
LAPSE RATE WIND DISTRIBUTION
1980

NEG C/100M
(171-26FT)
LAPSE RATE
-C/100 1.8 CLASS F

LOCATION SORT

DIRECTION	1-5		6-7		8-12		13-18		19-24		25 PLUS		SUM	
	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT
280.0	25	1.0	21	1.0	2	0.0	0	0.0	0	0.0	0	0.0	45	1.0
290.0	25	1.0	14	0.5	1	0.0	0	0.0	0	0.0	0	0.0	32	0.5
300.0	30	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	43	0.5
310.0	40	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	44	0.5
320.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	31	0.5
330.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	45	1.0
340.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	42	0.5
350.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	42	0.5
360.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	13	0.0
370.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
380.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
390.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
400.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
410.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
420.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
430.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
440.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
450.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
460.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
470.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
480.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
490.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
500.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
510.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
520.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
530.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
540.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
550.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
560.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
570.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
580.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
590.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
600.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
610.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
620.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
630.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
640.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
650.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
660.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
670.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
680.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
690.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
700.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
710.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
720.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
730.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
740.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
750.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
760.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
770.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
780.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
790.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
800.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
810.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
820.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
830.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
840.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
850.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
860.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
870.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
880.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
890.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
900.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
910.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
920.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
930.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
940.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
950.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
960.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
970.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
980.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
990.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0
1000.0	25	1.0	10	0.5	0	0.0	0	0.0	0	0.0	0	0.0	11	0.0

WIND SPEED
CALC WINDS
PERCENT CAL
MISSING

LIMERICK GENERATING STATION
 WEATHER STATION NO. 1
 LAKE RATE WIND DISTRIBUTION
 1980
 LOCATION SORT

DIRECTION	1-9		10-19		20-29		30-39		40-49		50-59		60-69		70-79		80-89		90-99		100-109		110-119		120-129		130-139		140-149		150-159		160-169		170-179		180-189		190-199		200-209		210-219		220-229		230-239		240-249		250-259		260-269		270-279		280-289		290-299		300-309		310-319		320-329		330-339		340-349		350-359		360-369		370-379		380-389		390-399		400-409		410-419		420-429		430-439		440-449		450-459		460-469		470-479		480-489		490-499		500-509		510-519		520-529		530-539		540-549		550-559		560-569		570-579		580-589		590-599		600-609		610-619		620-629		630-639		640-649		650-659		660-669		670-679		680-689		690-699		700-709		710-719		720-729		730-739		740-749		750-759		760-769		770-779		780-789		790-799		800-809		810-819		820-829		830-839		840-849		850-859		860-869		870-879		880-889		890-899		900-909		910-919		920-929		930-939		940-949		950-959		960-969		970-979		980-989		990-999		1000-1009		1010-1019		1020-1029		1030-1039		1040-1049		1050-1059		1060-1069		1070-1079		1080-1089		1090-1099		1100-1109		1110-1119		1120-1129		1130-1139		1140-1149		1150-1159		1160-1169		1170-1179		1180-1189		1190-1199		1200-1209		1210-1219		1220-1229		1230-1239		1240-1249		1250-1259		1260-1269		1270-1279		1280-1289		1290-1299		1300-1309		1310-1319		1320-1329		1330-1339		1340-1349		1350-1359		1360-1369		1370-1379		1380-1389		1390-1399		1400-1409		1410-1419		1420-1429		1430-1439		1440-1449		1450-1459		1460-1469		1470-1479		1480-1489		1490-1499		1500-1509		1510-1519		1520-1529		1530-1539		1540-1549		1550-1559		1560-1569		1570-1579		1580-1589		1590-1599		1600-1609		1610-1619		1620-1629		1630-1639		1640-1649		1650-1659		1660-1669		1670-1679		1680-1689		1690-1699		1700-1709		1710-1719		1720-1729		1730-1739		1740-1749		1750-1759		1760-1769		1770-1779		1780-1789		1790-1799		1800-1809		1810-1819		1820-1829		1830-1839		1840-1849		1850-1859		1860-1869		1870-1879		1880-1889		1890-1899		1900-1909		1910-1919		1920-1929		1930-1939		1940-1949		1950-1959		1960-1969		1970-1979		1980-1989		1990-1999		2000-2009		2010-2019		2020-2029		2030-2039		2040-2049		2050-2059		2060-2069		2070-2079		2080-2089		2090-2099		2100-2109		2110-2119		2120-2129		2130-2139		2140-2149		2150-2159		2160-2169		2170-2179		2180-2189		2190-2199		2200-2209		2210-2219		2220-2229		2230-2239		2240-2249		2250-2259		2260-2269		2270-2279		2280-2289		2290-2299		2300-2309		2310-2319		2320-2329		2330-2339		2340-2349		2350-2359		2360-2369		2370-2379		2380-2389		2390-2399		2400-2409		2410-2419		2420-2429		2430-2439		2440-2449		2450-2459		2460-2469		2470-2479		2480-2489		2490-2499		2500-2509		2510-2519		2520-2529		2530-2539		2540-2549		2550-2559		2560-2569		2570-2579		2580-2589		2590-2599		2600-2609		2610-2619		2620-2629		2630-2639		2640-2649		2650-2659		2660-2669		2670-2679		2680-2689		2690-2699		2700-2709		2710-2719		2720-2729		2730-2739		2740-2749		2750-2759		2760-2769		2770-2779		2780-2789		2790-2799		2800-2809		2810-2819		2820-2829		2830-2839		2840-2849		2850-2859		2860-2869		2870-2879		2880-2889		2890-2899		2900-2909		2910-2919		2920-2929		2930-2939		2940-2949		2950-2959		2960-2969		2970-2979		2980-2989		2990-2999		3000-3009		3010-3019		3020-3029		3030-3039		3040-3049		3050-3059		3060-3069		3070-3079		3080-3089		3090-3099		3100-3109		3110-3119		3120-3129		3130-3139		3140-3149		3150-3159		3160-3169		3170-3179		3180-3189		3190-3199		3200-3209		3210-3219		3220-3229		3230-3239		3240-3249		3250-3259		3260-3269		3270-3279		3280-3289		3290-3299		3300-3309		3310-3319		3320-3329		3330-3339		3340-3349		3350-3359		3360-3369		3370-3379		3380-3389		3390-3399		3400-3409		3410-3419		3420-3429		3430-3439		3440-3449		3450-3459		3460-3469		3470-3479		3480-3489		3490-3499		3500-3509		3510-3519		3520-3529		3530-3539		3540-3549		3550-3559		3560-3569		3570-3579		3580-3589		3590-3599		3600-3609		3610-3619		3620-3629		3630-3639		3640-3649		3650-3659		3660-3669		3670-3679		3680-3689		3690-3699		3700-3709		3710-3719		3720-3729		3730-3739		3740-3749		3750-3759		3760-3769		3770-3779		3780-3789		3790-3799		3800-3809		3810-3819		3820-3829		3830-3839		3840-3849		3850-3859		3860-3869		3870-3879		3880-3889		3890-3899		3900-3909		3910-3919		3920-3929		3930-3939		3940-3949		3950-3959		3960-3969		3970-3979		3980-3989		3990-3999		4000-4009		4010-4019		4020-4029		4030-4039		4040-4049		4050-4059		4060-4069		4070-4079		4080-4089		4090-4099		4100-4109		4110-4119		4120-4129		4130-4139		4140-4149		4150-4159		4160-4169		4170-4179		4180-4189		4190-4199		4200-4209		4210-4219		4220-4229		4230-4239		4240-4249		4250-4259		4260-4269		4270-4279		4280-4289		4290-4299		4300-4309		4310-4319		4320-4329		4330-4339		4340-4349		4350-4359		4360-4369		4370-4379		4380-4389		4390-4399		4400-4409		4410-4419		4420-4429		4430-4439		4440-4449		4450-4459		4460-4469		4470-4479		4480-4489		4490-4499		4500-4509		4510-4519		4520-4529		4530-4539		4540-4549		4550-4559		4560-4569		4570-4579		4580-4589		4590-4599		4600-4609		4610-4619		4620-4629		4630-4639		4640-4649		4650-4659		4660-4669		4670-4679		4680-4689		4690-4699		4700-4709		4710-4719		4720-4729		4730-4739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LYMEWICK GENERATING STATION
 WEATHER STATION NO. 1
 LAKE WATERS WIND DISTRIBUTION
 1947

DIRECTION	LOCATION 30 FT				NEG C/100M (171-241 FT)				LAKE RATE 51.4 M CLASS 2	
	1-5	4-7	8-12	13-14	19-20	25 PLUS	SUM PERCENT		SUM PERCENT	
22.5	1	0	0	0	0	0	0	0	1	1
45.0	10	0	0	0	0	0	0	0	10	10
67.5	17	0	0	0	0	0	0	0	17	17
90.0	14	0	0	0	0	0	0	0	13	13
112.5	1	0	0	0	0	0	0	0	9	9
135.0	1	0	0	0	0	0	0	0	6	6
157.5	1	0	0	0	0	0	0	0	6	6
180.0	1	0	0	0	0	0	0	0	7	7
202.5	1	0	0	0	0	0	0	0	7	7
225.0	1	0	0	0	0	0	0	0	1	1
247.5	1	0	0	0	0	0	0	0	1	1
270.0	1	0	0	0	0	0	0	0	1	1
292.5	1	0	0	0	0	0	0	0	1	1
315.0	1	0	0	0	0	0	0	0	1	1
337.5	1	0	0	0	0	0	0	0	1	1
360.0	1	0	0	0	0	0	0	0	1	1
	217	21	2	0	0	0	0	0	240	240
	1.2	.4	.2	.0	.0	.0	.0	.0	1.5	1.5

MEAN WIND SPEED 1.2
 CALM HOURS 197
 PERCENT CALM 2.9
 MISSING 1.0

LIMBICK GENERATING STATION
 WEATHER STATION NO. 1
 LAPSE RATE WIND DIRECTION
 1963
 LOCATION SORT

DIRECTION	1-3		4-7		8-12		13-14		19-24		25 PLUS		LAPSE RATE (171-267)		ALL STARTLITTS	
	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT
22.5	72	1.1	79	1.2	14	1.1	0.0	0.0	0.0	0.0	0.0	0.0	149	2.5	149	2.5
45.0	94	1.4	82	1.2	14	1.1	0.0	0.0	0.0	0.0	0.0	0.0	107	2.0	107	2.0
67.5	111	1.6	125	1.8	31	1.1	0.0	0.0	0.0	0.0	0.0	0.0	229	4.0	229	4.0
90.0	134	2.0	151	2.2	54	1.1	0.0	0.0	0.0	0.0	0.0	0.0	349	6.1	349	6.1
112.5	89	1.3	79	1.1	12	1.1	0.0	0.0	0.0	0.0	0.0	0.0	174	3.0	174	3.0
135.0	77	1.1	79	1.2	41	1.1	0.0	0.0	0.0	0.0	0.0	0.0	100	2.0	100	2.0
157.5	74	1.1	142	2.1	31	1.1	0.0	0.0	0.0	0.0	0.0	0.0	207	3.6	207	3.6
180.0	137	2.0	171	2.4	42	1.1	0.0	0.0	0.0	0.0	0.0	0.0	371	6.4	371	6.4
202.5	137	2.0	144	1.9	47	1.1	0.0	0.0	0.0	0.0	0.0	0.0	315	5.4	315	5.4
225.0	136	2.0	107	1.4	64	1.1	0.0	0.0	0.0	0.0	0.0	0.0	315	5.4	315	5.4
247.5	129	1.9	126	1.8	45	1.1	0.0	0.0	0.0	0.0	0.0	0.0	262	4.5	262	4.5
270.0	214	3.2	242	3.4	102	1.1	0.0	0.0	0.0	0.0	0.0	0.0	466	8.1	466	8.1
292.5	210	3.1	214	3.0	172	1.1	0.0	0.0	0.0	0.0	0.0	0.0	405	7.1	405	7.1
315.0	170	2.5	265	3.8	107	1.1	0.0	0.0	0.0	0.0	0.0	0.0	934	16.7	934	16.7
337.5	94	1.4	121	1.6	144	1.1	0.0	0.0	0.0	0.0	0.0	0.0	406	7.1	406	7.1
360.0	94	1.4	101	1.4	42	1.1	0.0	0.0	0.0	0.0	0.0	0.0	280	4.9	280	4.9
1975	29.0	224	32.4	1010	20.7	501	7.3	65	1.0	2	.0	419	90.4	90.4	90.4	90.4

MEAN WIND SPEED 5.4

TOTAL NUMBER OF CALM HOURS 0.0

MISSING HOURS 1964

LITCHICK GENERATING STATION
 WEATHER STATION NO. 1
 LAPSE RATE WIND DISTRIBUTION
 1980
 LOCATION 175FT

DIRECTION	1-3		4-7		8-12		13-18		19-24		25 PLUS (171-245T)		LAPSE RATE LE-1.0 CLASS A	
	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT
22+8	4	1	10	1	7	1	2	0	0	0	0	0	25	1
45+0	4	1	5	1	5	1	1	0	0	0	0	0	15	2
67+5	4	1	10	1	5	1	1	0	0	0	0	0	20	3
90+0	4	1	12	2	10	1	1	0	0	0	0	0	29	4
112+5	8	1	12	1	15	1	0	0	0	0	0	0	17	2
135+0	6	1	12	2	8	1	5	1	0	0	0	0	24	3
157+5	18	2	14	2	7	1	11	1	0	0	0	0	40	5
180+0	18	1	26	3	39	5	19	1	0	0	0	0	62	7
202+8	18	2	20	2	28	3	14	2	0	0	0	0	77	9
225+0	14	2	22	2	34	4	11	1	0	0	0	0	101	12
247+5	14	2	28	3	34	4	13	2	1	0	0	0	104	12
270+0	10	1	34	4	41	5	34	4	2	0	0	0	201	24
292+5	22	2	54	7	41	5	50	6	10	1	1	1	248	29
315+0	4	1	22	3	70	9	47	6	21	2	10	1	230	27
337+5	4	1	12	2	32	4	24	3	2	0	0	0	74	8
360+0	14	1	21	2	31	4	11	1	0	0	0	0	73	8
	160	2.1	830	9.9	801	9.7	298	3.6	86	1.1	21	0.2	1385	16.6

MEAN WIND SPEED 9.9
 CALM HOURS 17
 PERCENT CALM 1.2
 MISSING 180

LIMBICK GENERATING STATION
 WEATHER STATION NO. 1
 LAPSE RATE WIND DISTRIBUTION
 1980
 LOCATION 17584

DIRECTION	1-5		6-7		8-12		13-18		19-24		25 PLUS		LAPSE RATE -1.6/-1.7 CLASS M	
	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT
22.5	7	0.0	1	0.0	0	0.0	2	0.0	0	0.0	0	0.0	10	1.0
45.0	1	0.0	1	0.0	0	0.0	1	0.0	0	0.0	0	0.0	2	0.0
67.5	1	0.0	1	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0
90.0	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	10	1.0
112.5	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
135.0	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.0
157.5	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
180.0	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
202.5	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
225.0	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
247.5	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
270.0	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
292.5	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
315.0	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
337.5	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
360.0	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
	30	0.0	67	0.0	10	0.0	83	1.1	25	0.3	7	0.1	202	1.0

WIND WIND SPEED 10.5
 CALM HOURS 2
 PERCENT CALM 0.0
 MISSING 0.0

LIVERICH GENERATING STATION
WEATHER STATION NO. 1
LAPSE RATE WIND DISTRIBUTION
1947
LOCATION 174FT

	1-3	4-7	8-12	13-18	19-24	25 PLUS	LAPSE RATE -1.6/-1.4 CLASS C
DIRECTION	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT	
22.5	0	1	0	0	0	0	1
45.0	0	1	0	0	0	0	1
67.5	0	1	0	0	0	0	1
90.0	0	1	0	0	0	0	1
112.5	0	1	0	0	0	0	1
135.0	0	1	0	0	0	0	1
157.5	0	1	0	0	0	0	1
180.0	0	1	0	0	0	0	1
202.5	0	1	0	0	0	0	1
225.0	0	1	0	0	0	0	1
247.5	0	1	0	0	0	0	1
270.0	0	1	0	0	0	0	1
292.5	0	1	0	0	0	0	1
315.0	0	1	0	0	0	0	1
337.5	0	1	0	0	0	0	1
360.0	0	1	0	0	0	0	1
54	72	72	72	72	72	72	514
1.2	1.0	1.0	1.0	1.0	1.0	1.0	9.2

MEAN WIND SPEED 9.5
CALM HOURS 6
PERCENT CALM 1
MISSING 90

LIMERICK GENERATING STATION
 WEATHER STATION NO. 1
 LAPSE RATE WIND DISTRIBUTION
 1980
 LOCATION 175FT

DEG C/100M
 (171-26FT) LAPSE RATE
 =1.4/ =0.5 CLAS 0

	1-3		4-7		8-12		13-18		19-24		25 PLUS		SUM PERCENT	
DIRECTION	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT		
22.5	15	.2	22	.4	30	.9	8	.1	0	0.0	0	0.0	75	1.0
45.0	11	.1	34	.5	37	.5	5	.1	2	.0	0	0.0	89	1.2
67.5	17	.2	48	.6	35	.5	14	.2	1	.0	0	0.0	110	1.5
90.0	21	.3	85	1.1	81	1.1	34	.5	2	.0	0	0.0	223	3.0
112.5	14	.2	32	.4	42	.6	9	.1	1	.0	0	0.0	98	1.3
135.0	10	.1	27	.4	25	.4	23	.3	5	.1	0	0.0	90	1.2
157.5	16	.2	37	.5	50	.7	17	.2	8	.1	0	0.0	126	1.7
180.0	19	.3	40	.5	59	.8	10	.1	1	.0	0	0.0	129	1.7
202.5	11	.1	39	.5	39	.5	24	.3	8	.1	0	0.0	121	1.6
225.0	11	.1	25	.3	22	.3	9	.1	0	0.0	0	0.0	87	1.1
247.5	11	.1	25	.3	21	.3	19	.3	10	.1	0	0.0	86	1.1
270.0	22	.3	31	.4	42	.6	30	.4	20	.3	7	.1	152	2.0
292.5	21	.3	43	.6	78	1.0	45	.7	41	.5	25	.3	303	4.0
315.0	9	.1	35	.5	66	.9	139	1.8	58	.8	21	.3	328	4.4
337.5	10	.1	19	.3	56	.7	49	.7	11	.1	1	.0	156	2.1
360.0	12	.2	34	.5	51	.7	20	.3	0	0.0	0	0.0	117	1.6
	230	3.1	571	7.4	734	9.7	515	6.8	164	2.2	54	.7	2270	30.1

MEAN WIND SPEED 10.2
 CALM HOURS 75
 PERCENT CALM .5
 MISSING 208

CHANGING
CALIBERS
OCCUPY CAL
-TESTING

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53	1911	10:00	1000	1000
54	1911	10:00	1000	1000
55	1911	10:00	1000	1000
56	1911	10:00	1000	1000
57	1911	10:00	1000	1000
58	1911	10:00	1000	1000
59	1911	10:00	1000	1000
60	1911	10:00	1000	1000
61	1911	10:00	1000	1000
62	1911	10:00	1000	1000
63	1911	10:00	1000	1000
64	1911	10:00	1000	1000
65	1911	10:00	1000	1000
66	1911	10:00	1000	1000
67	1911	10:00	1000	1000
68	1911	10:00	1000	1000
69	1911	10:00	1000	1000
70	1911	10:00	1000	1000
71	1911	10:00	1000	1000
72	1911	10:00	1000	1000
73	191			

LIMBRICK GENERATING STATION
 WEATHER STATION NO. 1
 LAPSE RATE WIND DISTRIBUTION
 1940
 LOCATION 1940

NEB C/100M
 (171-247)

LAPSE RATE
 1.4 / 0.0 CLASS B

DIRECTION	1-3		4-7		8-12		13-14		19-24		25 PLUS		SUM PERCENT	
	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT
22.5	4	1	1	1	1	1	0	0	0	0	0	0	27	9
45.0	2	1	1	1	1	1	0	0	0	0	0	0	17	2
67.5	4	1	1	1	0	0	0	0	0	0	0	0	15	2
90.0	7	1	1	1	0	0	0	0	0	0	0	0	20	3
112.5	19	2	1	1	3	3	0	0	0	0	0	0	24	3
135.0	18	2	1	1	4	4	0	0	0	0	0	0	14	2
157.5	8	1	1	1	1	1	0	0	0	0	0	0	32	4
180.0	0	0	1	1	0	0	0	0	0	0	0	0	31	4
202.5	13	2	2	2	4	4	0	0	0	0	0	0	46	6
225.0	12	2	2	2	4	4	0	0	0	0	0	0	49	7
247.5	12	2	2	2	4	4	0	0	0	0	0	0	44	6
270.0	24	3	4	4	13	13	0	0	0	0	0	0	121	17
292.5	37	5	12	12	52	52	1	1	6	6	6	6	131	19
315.0	31	4	10	10	41	41	0	0	0	0	0	0	77	11
337.5	14	2	1	1	15	15	0	0	0	0	0	0	42	6
360.0	12	2	1	1	13	13	0	0	0	0	0	0	37	5
	214	3.0	300	4.5	144	2.2	14	.2	1	.0	0	0.0	737	9.4

MEAN WIND SPEED 4.4
 CALM HOURS 24
 PERCENT CALM 4.4
 MISSING 4.4

LINNETT GENERATING STATION
PLANTER STATION NO. 1
LAKE RATE WIND DISTRIBUTION
1987
LOCATION 17857

DIRECTION	1-7		8-12		13-18		19-24		25 PLUS		LAKE RATE GT. 25.0 CLASS 5	
	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT	WIND PERCENT	WIND PERCENT
22.5	1	0	0	0	0	0	0	0	0	0	11	1
45	1	0	0	0	0	0	0	0	0	0	10	1
67.5	1	0	0	0	0	0	0	0	0	0	9	1
90	1	0	0	0	0	0	0	0	0	0	8	1
112.5	1	0	0	0	0	0	0	0	0	0	7	1
135	1	0	0	0	0	0	0	0	0	0	12	2
157.5	1	0	0	0	0	0	0	0	0	0	16	2
180	1	0	0	0	0	0	0	0	0	0	27	2
202.5	1	0	0	0	0	0	0	0	0	0	19	2
225	1	0	0	0	0	0	0	0	0	0	23	2
247.5	1	0	0	0	0	0	0	0	0	0	26	2
270	1	0	0	0	0	0	0	0	0	0	73	1
292.5	1	0	0	0	0	0	0	0	0	0	100	1
315	1	0	0	0	0	0	0	0	0	0	67	1
337.5	1	0	0	0	0	0	0	0	0	0	50	1
360	1	0	0	0	0	0	0	0	0	0	23	2
	100	2.4	200	2.7	20	1	0	0	0	0	453	4.0

WIND WIND SPEED
CALM WINDS
PERCENT CALM
WINDING

LINERICK GENERATING STATION
 WEATHER STATION NO. 1
 LAPSE RATE WIND DISTRIBUTION
 1960
 LOCATION 175FT

DEG C/100M LAPSE RATE
 (171=26FT) ALL STATION LITTER

DIRECTION	1-3		4-7		SPEEDS (MT/HR) 8-12		13-18		19-24		25 PLUS		SUM PERCENT	
	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT		
22.5	42	.4	82	1.1	72	1.0	15	.2	0	0.0	0	0.0	211	2.4
45.0	38	.5	84	1.2	62	.8	11	.1	2	.0	0	0.0	198	2.4
67.5	50	.7	100	1.3	55	.7	20	.3	3	.0	0	0.0	228	3.0
90.0	60	.8	148	1.9	106	1.4	34	.4	3	.0	0	0.0	350	4.4
112.5	53	.7	72	1.0	71	.9	11	.1	2	.0	0	0.0	204	2.4
135.0	45	.6	74	1.0	45	.6	32	.4	5	.1	0	0.0	203	2.7
157.5	74	1.0	115	1.5	100	1.3	35	.4	4	.1	0	0.0	336	4.4
180.0	73	1.0	149	2.0	149	2.0	44	.6	7	.1	0	0.0	422	5.4
202.5	81	1.1	145	1.9	114	1.5	67	.9	13	.2	1	.0	421	5.4
225.0	74	1.0	159	2.1	134	1.8	39	.5	3	.0	1	.0	414	5.4
247.5	97	1.3	133	1.8	114	1.5	49	.7	21	.3	0	0.0	414	5.4
270.0	146	1.9	244	3.3	203	2.7	114	1.5	44	.6	13	.2	766	10.2
292.5	144	1.9	354	4.7	347	4.7	257	3.4	93	1.2	43	.6	1273	16.4
315.0	64	.9	212	2.8	317	4.2	347	4.6	117	1.6	37	.5	1096	14.5
337.5	56	.7	101	1.3	156	2.1	115	1.5	15	.2	1	.0	444	5.9
360.0	64	.8	133	1.8	133	1.8	49	.7	0	0.0	0	0.0	381	5.1
	1165	15.4	2311	30.7	2220	29.5	1237	16.4	337	4.5	96	1.3	7346	97.4

MISSING HOURS 1251

MEAN WIND SPEED 8.6

TOTAL NUMBER OF CALM HOURS 167 PERCENT 2.2

LIMETON GENERATING STATION
WEATHER STATION NO. 1
LAPSE RATE AND DISTRIBUTION
1980
LOCATION 270FT

DIRECTION	1-9		10-12		13-14		15-16		17-18		19-20		21-24		25 PLUS		LAPSE RATE (111-245)		LAPSE RATE (245-100)	
	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT
225	11	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
45	11	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
67	11	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
90	11	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
112	11	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
135	11	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
157	11	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
180	11	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
202	11	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
225	11	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
247	11	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
270	11	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
292	11	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
315	11	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
337	11	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
360	11	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TOTAL		107	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

MEAN WIND SPEED 11.5
CALCULATED
PERCENT CALC
WINDING 180

LIMBICK GENERATION STATION
 WATER STATION NO. 1
 LARGE RATE WIND DISTRIBUTION
 1980
 LOCATION 2707

DER C/100M
 (171=247)
 LARGE RATE
 -1.8/-1.7 CLASS B

WIND DIRECTION	SPEEDS (MI/HR)					PERCENT					SUM PERCENT					SUM PERCENT					SUM PERCENT					SUM PERCENT				
	0-7	8-12	13-18	19-24	25 PLUS	0-7	8-12	13-18	19-24	25 PLUS	0-7	8-12	13-18	19-24	25 PLUS	0-7	8-12	13-18	19-24	25 PLUS	0-7	8-12	13-18	19-24	25 PLUS	0-7	8-12	13-18	19-24	25 PLUS
22.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MEAN WIND SPEED 12.0
 CALM HOURS 0.0
 PERCENT CALM 0.0
 MISSING 11

LIVERMORE GENERATING STATION
 -FAIRFAX STATION NO. 1
 LAKE RATE -WIND DISTRIBUTION
 1940
 LOCATION 270FT

NEG C/1000
 (111-265T)
 LAPSE RATE
 -1.5/ -1.5 CLASS C

DIRECTION	1-3		4-7		8-12		13-18		19-24		25 PLUS		SUM PERCENT	
	SUM PERCENT	NUM	SUM PERCENT	NUM	SUM PERCENT	NUM	SUM PERCENT	NUM	SUM PERCENT	NUM	SUM PERCENT	NUM	SUM PERCENT	NUM
22.5	3	0	1	1	0	0	0	0	0	0	0	0	18	2
45.0	0	0	1	1	0	0	0	0	0	0	0	0	11	1
67.5	0	0	1	1	0	0	0	0	0	0	0	0	11	1
90.0	2	0	1	1	0	0	0	0	0	0	0	0	14	2
112.5	2	0	1	1	0	0	0	0	0	0	0	0	14	2
135.0	0	0	0	0	0	0	0	0	0	0	0	0	10	1
157.5	1	0	0	0	0	0	0	0	0	0	0	0	7	1
180.0	1	0	1	1	0	0	0	0	0	0	0	0	22	3
202.5	1	0	1	1	0	0	0	0	0	0	0	0	16	2
225.0	2	0	1	1	0	0	0	0	0	0	0	0	14	2
247.5	2	0	1	1	0	0	0	0	0	0	0	0	21	3
270.0	2	0	1	1	0	0	0	0	0	0	0	0	24	3
292.5	2	0	1	1	0	0	0	0	0	0	0	0	22	3
315.0	2	0	1	1	0	0	0	0	0	0	0	0	24	3
337.5	2	0	1	1	0	0	0	0	0	0	0	0	22	3
360.0	0	0	1	1	0	0	0	0	0	0	0	0	14	2
													13	2
													317	40

MEAN WIND SPEED 11.2
 CALM HOURS 2
 PERCENT CALM .1
 MISSING 22

LIMBERICK GENERATING STATION
 WEATHER STATION NO. 1
 LAPSE RATE WIND DISTRIBUTION
 1980
 LOCATION 270FT

DIRECTION	1-8		9-17		18-24		25 PLUS		LAPSE RATE -1.0/-0.5 CLASS 0	
	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT
225.0	8	0.0	18	2.2	0	0.0	0	0.0	75	1.0
45.0	2	0.0	24	3.0	0	0.0	1	0.0	82	1.1
47.5	4	0.0	35	4.4	0	0.0	1	0.0	95	1.3
90.0	15	1.9	32	4.0	0	0.0	0	0.0	105	1.4
112.5	4	0.0	36	4.5	0	0.0	0	0.0	96	1.3
135.0	6	0.0	27	3.4	0	0.0	0	0.0	82	1.1
157.5	10	1.3	14	1.8	0	0.0	1	0.0	98	1.3
180.0	10	1.3	23	2.9	0	0.0	1	0.0	117	1.6
202.5	7	0.0	31	3.9	0	0.0	2	0.0	107	1.4
225.0	8	0.0	29	3.7	0	0.0	0	0.0	81	1.1
247.5	8	0.0	17	2.1	0	0.0	0	0.0	77	1.0
270.0	0	0.0	30	3.8	0	0.0	0	0.0	121	1.6
292.5	10	1.3	18	2.3	0	0.0	0	0.0	275	3.7
315.0	10	1.3	24	3.0	0	0.0	0	0.0	377	5.1
337.5	5	0.0	30	3.8	0	0.0	0	0.0	163	2.2
360.0	8	0.0	17	2.1	0	0.0	3	0.0	124	1.7
	110	1.4	400	5.0	605	7.6	100	1.3	2161	29.0

MEAN WIND SPEED 12.0
 CALM HOURS 22
 PERCENT CALM .3
 MISSING 324

LITHEWICK GENERATING STATION
 WEATHER STATION NO. 1
 LARGE RATE WIND DISTRIBUTION
 1980
 LOCATION 270FT

DEC C/100M LARSE RATE
 (171-24FT) =0.4/ 1.5 CLASS F

DIRECTION	1-3		4-7		8-12		13-18		19-24		25 PLUS		SUM	PERCENT
	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT		
22.5	4	.1	9	.1	12	.4	14	.3	1	.0	0	.0	61	.8
45.0	4	.1	21	.3	26	.4	6	.1	0	0.0	0	.0	57	.8
67.5	3	.0	19	.3	17	.2	1	.0	3	.0	2	.0	45	.6
90.0	1	.0	8	.1	22	.3	3	.0	0	0.0	0	.0	34	.5
112.5	4	.1	10	.1	10	.1	8	.1	1	.0	0	.0	33	.4
135.0	5	.1	11	.1	20	.3	10	.1	1	.0	0	.0	47	.6
157.5	8	.1	19	.3	15	.5	6	.1	3	.0	0	.0	71	1.0
180.0	7	.1	29	.4	42	.6	25	.3	12	.2	2	.0	117	1.6
202.5	7	.1	24	.3	42	.6	37	.5	5	.1	3	.0	118	1.6
225.0	6	.1	48	.6	60	.8	16	.2	6	.1	2	.0	133	1.8
247.5	10	.1	30	.4	48	.7	9	.1	2	.0	2	.0	101	1.4
270.0	10	.1	53	.7	53	.7	41	.6	10	.1	5	.1	172	2.3
292.5	4	.1	60	.8	107	1.5	118	1.6	23	.3	15	.2	327	4.4
315.0	7	.1	36	.5	114	1.6	164	2.2	23	.3	3	.0	329	4.5
337.5	7	.1	23	.3	50	.7	37	.5	4	.1	0	.0	121	1.6
360.0	7	.1	17	.2	47	.6	35	.5	3	.0	0	.0	109	1.5
	98	1.3	412	5.6	729	9.9	512	7.0	97	1.3	30	.5	1875	25.5

MEAN WIND SPEED 10.8
 CALM HOURS 24
 PERCENT CALM .3
 MISSING 249

LAMARCA GENERATING STATION
 WEATHER STATION NO. 1
 LAKE RATE WIND DISTRIBUTION
 1960

LOCATION 2706T
 DES C/100M
 (171-265T)
 LAKE RATE
 1.0 / 4.0 CLASS A

1-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150-159	160-169	170-179	180-189	190-199	200-209	210-219	220-229	230-239	240-249	250-259	260-269	270-279	280-289	290-299	300-309	310-319	320-329	330-339	340-349	350-359	360-369	370-379	380-389	390-399	400-409	410-419	420-429	430-439	440-449	450-459	460-469	470-479	480-489	490-499	500-509	510-519	520-529	530-539	540-549	550-559	560-569	570-579	580-589	590-599	600-609	610-619	620-629	630-639	640-649	650-659	660-669	670-679	680-689	690-699	700-709	710-719	720-729	730-739	740-749	750-759	760-769	770-779	780-789	790-799	800-809	810-819	820-829	830-839	840-849	850-859	860-869	870-879	880-889	890-899	900-909	910-919	920-929	930-939	940-949	950-959	960-969	970-979	980-989	990-999
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	2																																																																							

LIMBACH GENERATING STATION
WEATHER STATION NO. 1
LAKE RAIN WIND DISTRIBUTION
1967

LOCATION STUDY

NEG CALM
(171-247)

LAKE RATE
ST. 4.0 CLASS C

DIRECTION	1-4		5-7		8-12		13-14		19-24		25 PLUS		SUM PERCENT	
	SUM PERCENT	MIN PERCENT	SUM PERCENT	MIN PERCENT	SUM PERCENT	MIN PERCENT	SUM PERCENT	MIN PERCENT	SUM PERCENT	MIN PERCENT	SUM PERCENT	MIN PERCENT	SUM PERCENT	MIN PERCENT
22.5	5	1	0	0	1	0	0	0	0	0	0	0	0	0
45.0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
67.5	3	0	0	0	0	0	0	0	0	0	0	0	0	0
90.0	4	1	0	0	0	0	0	0	0	0	0	0	0	0
112.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0
135.0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
157.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0
180.0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
202.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0
225.0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
247.5	1	0	0	0	0	0	0	0	0	0	0	0	0	0
270.0	10	2	0	0	0	0	0	0	0	0	0	0	0	0
292.5	10	2	0	0	0	0	0	0	0	0	0	0	0	0
315.0	10	2	0	0	0	0	0	0	0	0	0	0	0	0
337.5	10	2	0	0	0	0	0	0	0	0	0	0	0	0
360.0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	50	12	210	132	108	24	0	0	0	0	0	0	0	0

MEAN WIND SPEED 6.2
CALM WINDS 21
PERCENT CALM 23
WINDING 24

DER C/100M
(171-2457)

		SPEEDS (MI/HR)													
		1-3		4-7		8-12		13-18		19-24		25 PLUS		SUM	PERCENT
DIRECTION	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	
22.5	39	.5	61	.8	101	1.4	48	.7	1	.0	0	0.0	246	3.3	
45.0	11	.1	80	1.1	82	1.1	34	.5	4	.1	1	.0	216	2.9	
67.5	14	.2	82	1.1	60	.8	26	.4	8	.1	3	.0	193	2.6	
90.0	51	.7	70	1.0	133	1.8	58	.8	8	.1	0	0.0	300	4.1	
112.5	12	.2	59	.8	68	.9	33	.5	4	.1	0	0.0	174	2.4	
135.0	25	.3	55	.7	73	1.0	39	.5	9	.1	5	.1	204	2.8	
157.5	16	.2	71	1.0	107	1.5	35	.5	17	.2	1	.0	267	3.6	
180.0	40	.5	113	1.5	137	1.8	84	1.2	19	.3	5	.1	393	5.3	
202.5	46	.6	95	1.3	118	1.6	112	1.5	25	.3	7	.1	403	5.4	
225.0	34	.5	151	2.1	170	2.3	71	1.0	9	.1	2	.0	441	5.9	
247.5	39	.5	129	1.7	143	1.9	68	.9	23	.3	10	.1	408	5.5	
270.0	50	.7	217	3.0	222	3.0	145	2.0	31	.4	27	.4	701	9.5	
292.5	48	.6	205	2.8	195	2.6	305	4.2	111	1.5	93	1.3	1155	15.7	
315.0	51	.7	137	1.9	101	1.4	47	.6	189	2.6	106	1.4	1240	17.1	
337.5	25	.3	77	1.0	155	2.1	173	2.4	52	.7	10	.1	492	6.7	
360.0	38	.5	74	1.0	162	2.2	118	1.6	11	.1	5	.1	493	6.7	
	534	7.3	1674	22.8	2420	32.9	1830	24.9	521	7.1	275	3.7	7260	98.7	

MISSING HOURS 1429

MEAN WIND SPEED 11.0

TOTAL NUMBER OF CALM HOURS	95 PERCENT	1.3
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SECTION III

LIMERICK GENERATING STATION
 WEATHER STATION NO. 2
 LAPSE RATE WIND DISTRIBUTION
 1980
 LOCATION 30FT

DIRECTION	1-5		6-7		8-12		13-18		19-24		25 PLUS		LAPSE RATE LE-1.0 CLASS A	
	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT
22.5	1	0	0	0	0	0	0	0	0	0	0	0	2	0
45.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67.5	2	0	0	0	0	0	0	0	0	0	0	0	2	0
90.0	2	0	0	0	0	0	0	0	0	0	0	0	2	0
112.5	1	0	0	0	0	0	0	0	0	0	0	0	1	0
135.0	2	0	0	0	0	0	0	0	0	0	0	0	1	0
157.5	4	1	10	1	0	0	0	0	0	0	0	0	10	1
180.0	4	1	18	2	0	0	0	0	0	0	0	0	18	2
202.5	4	1	18	2	0	0	0	0	0	0	0	0	18	2
225.0	18	2	22	3	0	0	0	0	0	0	0	0	22	3
247.5	11	1	30	4	0	0	0	0	0	0	0	0	30	4
270.0	9	1	20	3	0	0	0	0	0	0	0	0	20	3
292.5	2	0	4	1	0	0	0	0	0	0	0	0	4	1
315.0	2	0	3	1	0	0	0	0	0	0	0	0	3	1
337.5	1	0	1	1	0	0	0	0	0	0	0	0	1	0
360.0	1	0	1	1	0	0	0	0	0	0	0	0	1	0
	68	1.0	191	2.1	13	.2	4	.1	0	0.0	0	0.0	236	3.3

MEAN WIND SPEED 4.9
 CALM HOURS 7
 PERCENT CALM .1
 MISSING .1

LIMERICK GENERATING STATION
 WEATHER STATION NO. 2
 LARGE RATE WIND DISTRIBUTION
 1980
 LOCATION 30FT

DIRECTION	1-3		4-7		8-12		13-18		19-24		25 PLUS		LARGE RATE -1.8/-1.7 CLASS M	
	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT
22.5	2	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
45.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
67.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
90.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
112.5	2	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
135.0	4	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
157.5	7	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
180.0	3	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
202.5	4	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
225.0	4	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
247.5	8	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
270.0	8	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
292.5	7	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
315.0	5	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
337.5	4	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
360.0	4	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	67	0.0	191	2.1	50	0.0	32	0.0	0	0.0	0	0.0	315	0.0

MEAN WIND SPEED 6.0
 CALM HOURS 6
 PERCENT CALM 11
 MISSING 12

LYMECK GENERATING STATION
 WEATHER STATION NO. 2
 LAPSE RATE WIND DISTRIBUTION
 1980
 LOCATION 30FT

DIRECTION	1-3		4-7		8-12		13-18		19-24		25 PLUS		LAPSE RATE -1.6/-1.5 CLASS C	
	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT
22.5	1	0	3	0	0	0	0	0	0	0	0	0	5	1
45.0	3	0	4	1	0	0	0	0	0	0	0	0	7	1
67.5	3	0	4	1	0	0	0	0	0	0	0	0	7	1
90.0	1	0	2	0	0	0	0	0	0	0	0	0	3	0
112.5	5	1	4	1	0	0	0	0	0	0	0	0	11	2
135.0	4	1	7	1	0	0	0	0	0	0	0	0	7	1
157.5	4	1	7	1	1	1	0	0	0	0	0	0	25	4
180.0	4	1	7	1	1	1	0	0	0	0	0	0	14	2
202.5	5	1	9	1	0	0	0	0	0	0	0	0	15	2
225.0	4	1	7	1	0	0	0	0	0	0	0	0	9	1
247.5	6	1	7	1	0	0	0	0	0	0	0	0	9	1
270.0	17	2	7	1	0	0	0	0	0	0	0	0	20	3
292.5	13	2	14	2	0	0	0	0	0	0	0	0	47	7
315.0	3	0	22	3	2	2	1	0	0	0	0	0	49	7
337.5	3	0	11	1	4	4	2	0	0	0	0	0	48	7
360.0	4	1	14	2	1	1	0	0	0	0	0	0	30	4
	82	1.2	128	1.4	92	1.3	49	.7	5	.1	0	0.0	356	5.0

MEAN WIND SPEED 7.1
 CALM HOURS 4
 PERCENT CALM .1
 MISSING 22

LIPERICK GENERATING STATION
 WEATHER STATION NO. 2
 LAPSE RATE WIND DISTRIBUTION
 1980
 LOCATION 30FT

PER C/100M
 (300-26FT)
 LAPSE RATE
 -1.4/ -0.5 CLASS 0

DIRECTION	1-7		8-12		13-18		19-24		25 PLUS		SUM PERCENT
	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	
22.5	20	4	3	1	0	0	0	0	0	0	58
45.0	14	3	2	0	0	0	0	0	0	0	36
67.5	34	8	0	0	0	0	0	0	0	0	63
90.0	43	10	4	1	0	0	0	0	0	0	97
112.5	91	22	13	3	0	0	0	0	0	0	188
135.0	66	16	12	3	0	0	0	0	0	0	117
157.5	76	19	34	8	7	1	0	0	0	0	149
180.0	48	12	14	3	1	0	0	0	0	0	158
202.5	34	8	3	0	0	0	0	0	0	0	59
225.0	18	4	2	0	0	0	0	0	0	0	33
247.5	23	6	0	0	0	0	0	0	0	0	24
270.0	51	13	1	0	0	0	0	0	0	0	84
292.5	56	14	17	4	28	7	1	0	0	0	94
315.0	15	4	21	5	149	38	0	0	1	0	263
337.5	34	8	126	31	41	10	0	0	0	0	769
360.0	40	10	20	5	2	0	0	0	0	0	304
											114
											1-4
											34.4

MEAN WIND SPEED 6.7
 CALM HOURS 100
 PERCENT CALM 1.4
 MISSING 249

LIMERICK GENERATING STATION
 WEATHER STATION NO. 2
 LAPSE RATE WIND DISTRIBUTION
 1967
 LOCATION 30PT

DIRECTION	1-3		4-7		8-12		13-18		19-24		25 PLUS		LAPSE RATE -0.47 1.5 CLASS 2	
	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT
22.5	4	1	4	1	0	0	0	0	0	0	0	0	14	2
45.0	4	1	0	0	0	0	0	0	0	0	0	0	5	1
67.5	3	0	0	0	0	0	0	0	0	0	0	0	4	1
90.0	13	2	4	0	0	0	0	0	0	0	0	0	16	2
112.5	32	4	4	0	0	0	0	0	0	0	0	0	36	5
135.0	47	6	22	3	1	1	0	0	0	0	0	0	120	17
157.5	142	19	57	8	15	2	1	0	0	0	0	0	254	36
180.0	44	6	53	7	14	2	1	0	0	0	0	0	198	28
202.5	33	4	16	2	3	0	0	0	0	0	0	0	72	10
225.0	14	2	1	0	0	0	0	0	0	0	0	0	16	2
247.5	4	0	0	0	0	0	0	0	0	0	0	0	13	2
270.0	34	5	10	1	0	0	0	0	0	0	0	0	43	6
292.5	81	11	61	8	19	3	0	0	0	0	0	0	173	24
315.0	44	6	174	24	11	1	2	0	0	0	0	0	395	56
337.5	113	16	179	25	36	5	11	1	0	0	0	0	225	32
360.0	19	3	21	3	8	1	3	0	0	0	0	0	74	10
	864	12.2	408	7.1	211	3.0	21	.3	1	.0	0	0.0	1605	22.4

MEAN WIND SPEED 3.2
 CALM HOURS 305
 PERCENT CALM 5.6
 WINDING 154

LINERICK GENERATING STATION
 WEATHER STATION NO. 2
 LAKE RATE WIND DISTRIBUTION
 1960

DIRECTION	1-3		4-7		8-12		13-18		19-24		25 PLUS		LAPSE RATE 1.6 / 4.0 CLASS F	
	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT
22.5	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.0
45.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	0.0
67.5	2	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.0
90.0	2	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.0
112.5	7	1.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	7	1.1
135.0	14	2.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	14	2.2
157.5	104	16.3	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	114	17.5
180.0	33	5.1	10	1.5	0	0.0	0	0.0	0	0.0	0	0.0	43	6.6
202.5	7	1.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	7	1.1
225.0	4	0.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4	0.6
247.5	9	1.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	9	1.4
270.0	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1
292.5	8	1.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	8	1.2
315.0	22	3.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	22	3.4
337.5	37	5.6	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	38	5.7
360.0	50	7.6	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	51	7.7
	20	3.0	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	21	3.1
	300	4.4	26	4.0	0	0.0	0	0.0	0	0.0	0	0.0	346	5.1

MEAN WIND SPEED 7
 CALM HOURS 507
 PERCENT CALM 7.1
 MISSING 23

DEG C/100M
GT. 0.0 CLASS C
LAPSE RATE

MEAN WIND SPEED
CALM WIND
CALM WIND
PERCENT CALM
WIND DIRECTION
WIND

LIMERICK GENERATING STATION
 WEATHER STATION NO. 2
 LAPSE RATE WIND DISTRIBUTION
 1967
 LOCATION 30FT

DIRECTION	1-3			4-7			8-12			13-14			15-24			25 PLUS			LAPSE RATE			ALL STABILITIES		
	SUM	PERCENT		SUM	PERCENT		SUM	PERCENT		SUM	PERCENT		SUM	PERCENT		SUM	PERCENT		DEB C/100M			SUM	PERCENT	
225.0	44	.6		35	.5		8	.1		0	0.0		0	0.0		0	0.0		0			67	1.2	
45.0	29	.4		20	.3		3	.0		0	0.0		0	0.0		0	0.0		0			52	.7	
67.5	44	.6		28	.4		4	.1		0	0.0		0	0.0		0	0.0		0			79	1.1	
90.0	64	.9		57	.8		18	.3		0	0.0		0	0.0		0	0.0		0			125	1.8	
112.5	143	2.0		104	1.5		22	.3		2	.0		0	0.0		0	0.0		0			263	3.7	
135.0	199	2.7		141	2.0		37	.5		14	.2		0	0.0		0	0.0		0			290	4.1	
157.5	437	6.1		162	2.3		57	.8		3	.0		0	0.0		0	0.0		0			470	6.4	
180.0	206	2.9		179	2.5		29	.4		0	0.0		0	0.0		0	0.0		0			417	5.9	
202.5	94	1.3		71	1.0		7	.1		0	0.0		0	0.0		0	0.0		0			174	2.4	
225.0	64	.9		41	.6		2	.0		0	0.0		0	0.0		0	0.0		0			107	1.5	
247.5	71	1.0		51	.7		1	.0		0	0.0		0	0.0		0	0.0		0			123	1.7	
270.0	131	1.8		98	1.4		1	.0		0	0.0		0	0.0		0	0.0		0			230	3.2	
292.5	203	2.9		270	3.8		130	1.8		36	.5		1	.0		0	0.0		0			440	6.0	
315.0	194	2.7		140	2.0		49	.7		24	.3		47	.7		3	.0		3			1394	19.6	
337.5	234	3.3		194	2.7		191	2.7		84	1.2		10	.1		0	0.0		0			721	10.1	
360.0	129	1.8		111	1.6		34	.5		2	.0		0	0.0		0	0.0		0			280	3.9	

2294 33.2 1883 26.4 1007 14.2 409 4.7 54 .8 9 .1 4852 79.8
 MEAN WIND SPEED 4.4
 MISSING HOURS 1670

TOTAL NUMBER OF CALM WIND 1463 PERCENT 20.6

LIMBICK GENERATING STATION
 WEATHER STATION NO. 2
 LAKE RATE WIND DISTRIBUTION
 1960
 LOCATION 15957

DES C/100M
 (300-24PT)

LAKE RATE
 LE-1.9 CLASS A

DIRECTION	1-3		4-7		8-12		13-18		19-24		25 PLUS		SUM	
	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT
22.5	2	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	3	0.0
45.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
67.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
90.0	2	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.0
112.5	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
135.0	3	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	7	0.0
157.5	4	0.0	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	11	0.0
180.0	5	0.0	1	0.0	4	0.0	0	0.0	0	0.0	0	0.0	12	0.0
202.5	5	0.0	3	0.0	6	0.0	0	0.0	0	0.0	0	0.0	16	0.0
225.0	1	0.0	4	0.0	25	0.0	1	0.0	0	0.0	0	0.0	37	0.0
247.5	0	0.0	19	0.0	27	0.0	2	0.0	0	0.0	0	0.0	43	0.0
270.0	0	0.0	23	0.0	19	0.0	7	0.0	0	0.0	0	0.0	51	0.0
292.5	1	0.0	3	0.0	7	0.0	1	0.0	0	0.0	0	0.0	29	0.0
315.0	1	0.0	2	0.0	5	0.0	3	0.0	0	0.0	0	0.0	13	0.0
337.5	4	0.0	9	0.0	10	0.0	4	0.0	0	0.0	0	0.0	27	0.0
360.0	0	0.0	3	0.0	7	0.0	1	0.0	0	0.0	0	0.0	11	0.0
	20	0.0	100	1.0	118	1.0	27	0.0	8	0.0	0	0.0	273	3.0

MEAN WIND SPEED 7.9
 CALM HOURS 1
 PERCENT CALM 0.0
 MISSING

LITWICK GENERATING STATION
 WEATHER STATION NO. 2
 LAPSE RATE WIND DISTRIBUTION
 1980
 LOCATION 159FT

DES C/100H
 (300-26FT)
 LAPSE RATE
 -1.8/-1.7 CLASH R

DIRECTION	1-3		4-7		8-12		13-18		19-24		25 PLUS		SUM	
	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT
22.5	1	0.0	0	0.0	1	0.0	2	0.0	0	0.0	0	0.0	4	.1
45.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	.0
67.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
90.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
112.5	2	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	.0
135.0	4	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5	.1
157.5	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	.0
180.0	2	0.0	0	0.0	1	0.0	3	0.0	0	0.0	0	0.0	3	.1
202.5	1	0.0	1	0.0	1	0.0	1	0.0	0	0.0	0	0.0	2	.0
225.0	0	0.0	1	0.0	2	0.0	1	0.0	0	0.0	0	0.0	3	.1
247.5	0	0.0	2	0.0	1	0.0	3	0.0	0	0.0	0	0.0	3	.1
270.0	1	0.0	2	0.0	2	0.0	9	0.0	1	0.0	0	0.0	22	.5
292.5	1	0.0	2	0.0	2	0.0	18	0.0	0	0.0	0	0.0	28	.7
315.0	2	0.0	1	0.0	2	0.0	24	0.0	1	0.0	2	0.0	47	1.2
337.5	4	0.0	1	0.0	1	0.0	9	0.0	1	0.0	3	0.0	56	1.4
360.0	3	0.0	1	0.0	1	0.0	1	0.0	0	0.0	0	0.0	56	1.4
													18	.5
													18	.5

24 .3 94 1.3 108 1.6 71 .8 19 .2 7 .1 384 4.2

MEAN WIND SPEED 9.7
 CALM HOURS 5
 PERCENT CALM .1
 MISSING .1

LINCOLN GENERATING STATION
WEATHER STATION NO. 2
LARGE RATE WIND DISTRIBUTION
1960
LOCATION 159FT

DIRECTION	1-3		4-7		8-12		13-14		15-24		25 PLUS		LARGE RATE -1.0/ -1.5 CLASS C	
	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT
22-5	1	0	0	0	0	0	0	0	0	0	0	0	10	1
45-0	1	0	0	0	0	0	0	0	0	0	0	0	6	1
67-5	1	0	0	0	0	0	0	0	0	0	0	0	7	1
90-0	3	0	0	0	0	0	0	0	0	0	0	0	7	1
112-5	2	0	0	0	0	0	0	0	0	0	0	0	7	1
135-0	7	1	0	0	0	0	0	0	0	0	0	0	11	1
157-5	2	0	0	0	0	0	0	0	0	0	0	0	14	2
180-0	3	0	0	0	0	0	0	0	0	0	0	0	17	2
202-5	2	0	0	0	0	0	0	0	0	0	0	0	13	1
225-0	1	0	0	0	0	0	0	0	0	0	0	0	10	1
247-5	4	1	0	0	0	0	0	0	0	0	0	0	23	4
270-0	4	1	0	0	0	0	0	0	0	0	0	0	40	7
292-5	4	1	0	0	0	0	0	0	0	0	0	0	48	8
315-0	1	0	0	0	0	0	0	0	0	0	0	0	81	14
337-5	8	1	0	0	0	0	0	0	0	0	0	0	41	7
360-0	3	0	0	0	0	0	0	0	0	0	0	0	50	9
	49	0	110	1.8	101	1.5	94	1.2	20	.3	1	0	377	6.9

MEAN WIND SPEED 9.5
CALM HOURS 4
PERCENT CALM .1
MISSING 1

LIMERICK GENERATING STATION
 WEATHER STATION NO. 2
 LAPSE RATE WIND DISTRIBUTION
 1980
 LOCATION 1987

DIRECTION	1-7		8-9		10-12		13-14		15-24		25 PLUS		LAPSE RATE -1.4/-0.5 CLASS 0	
	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT
22.5	23	7	49	14	23	3	0	0.0	0	0.0	0	0.0	95	1.2
45.0	11	3	42	12	5	1	1	0.0	0	0.0	0	0.0	82	1.0
67.5	24	7	60	17	6	1	4	0.0	0	0.0	0	0.0	74	0.9
90.0	24	7	103	29	60	17	7	1.0	0	0.0	0	0.0	195	2.5
112.5	44	12	14	4	22	3	2	0.0	0	0.0	0	0.0	148	1.9
135.0	41	11	36	10	14	4	7	1.0	0	0.0	0	0.0	98	1.3
157.5	34	9	62	17	34	9	16	2.0	0	0.0	0	0.0	155	2.0
180.0	25	7	32	9	48	13	4	1.0	0	0.0	0	0.0	115	1.5
202.5	10	3	41	11	51	14	14	2.0	0	0.0	0	0.0	118	1.5
225.0	14	4	30	8	17	5	11	1.0	0	0.0	0	0.0	87	1.1
247.5	18	5	24	7	39	10	21	3.0	0	0.0	0	0.0	101	1.3
270.0	27	7	53	15	42	11	26	3.0	0	0.0	0	0.0	177	2.3
292.5	24	6	79	21	103	28	44	1.3	31	4.0	3	0.0	343	4.5
315.0	24	6	74	20	193	53	275	3.4	91	1.2	31	0.4	695	9.1
337.5	20	5	62	17	98	27	58	1.3	14	0.2	1	0.0	277	3.6
360.0	23	6	54	15	57	16	27	0.6	4	0.1	0	0.0	155	2.0
	394	100	439	110	421	107	619	14.1	166	2.2	35	0.5	2675	37.6

MEAN WIND SPEED 9.3
 CALM HOURS 50
 PERCENT CALM 7
 MISSING 36

LYPERIC GENERATING STATION
 WEATHER STATION NO. 2
 LAPSE RATE WIND DISTRIBUTION
 1940
 LOCATION 15WET

DIRECTION	1-3		4-7		8-12		13-18		19-24		25 PLUS		LAPSE RATE -0.4/ 1.0 CLASS E	
	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT
22.5	15	2	22	3	14	2	0	0	0	0	0	0	53	7
45.0	10	1	4	1	3	0	0	0	0	0	0	0	21	4
67.5	11	1	4	1	1	0	0	0	0	0	0	0	16	2
90.0	24	3	23	3	4	1	0	0	0	0	0	0	53	7
112.5	31	4	31	4	8	1	0	0	0	0	0	0	86	11
135.0	37	5	48	6	14	2	10	1	0	0	0	0	110	14
157.5	33	4	70	9	32	4	4	1	0	0	0	0	145	18
180.0	30	4	75	10	24	3	18	2	0	0	0	0	144	18
202.5	40	5	58	8	35	5	8	1	0	0	0	0	143	18
225.0	28	3	44	6	20	3	4	1	0	0	0	0	85	11
247.5	20	3	38	5	17	2	4	1	0	0	0	0	85	11
270.0	24	3	72	9	33	4	9	1	0	0	0	0	140	18
292.5	34	5	91	12	112	15	17	2	0	0	0	0	260	33
315.0	51	7	125	17	145	22	40	5	1	1	1	1	384	50
337.5	45	6	56	7	45	6	11	1	0	0	0	0	174	23
360.0	24	3	40	5	36	5	4	1	0	0	0	0	108	14
	460	4.1	432	10.9	443	7.6	131	1.7	14	.2	1	.0	2024	24.5

MEAN WIND SPEED 6.3
 CALM WINDS 103
 PERCENT CALM 1.3
 MISSING 26

LIMERICK GENERATING STATION
 WEATHER STATION NO. 2
 LAPSE RATE WIND DISTRIBUTION
 1960
 LOCATION 150FT

DIRECTION	SPEEDS (MPH)				NES C/100M (300-240°)		LAPSE RATE GT. 4.0 CLASS G	
	1-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79
22.5	10	1	0	0	0	0	0	1
45.0	4	1	0	0	0	0	0	1
67.5	1	0	0	0	0	0	0	0
90.0	1	0	0	0	0	0	0	0
112.5	20	3	0	0	0	0	0	0
135.0	37	4	0	0	0	0	0	0
157.5	15	2	0	0	0	0	0	0
180.0	18	2	0	0	0	0	0	0
202.5	18	2	0	0	0	0	0	0
225.0	14	2	0	0	0	0	0	0
247.5	20	3	0	0	0	0	0	0
270.0	38	5	0	0	0	0	0	0
292.5	54	7	0	0	0	0	0	0
315.0	57	7	0	0	0	0	0	0
337.5	26	4	0	0	0	0	0	0
360.0	14	2	0	0	0	0	0	0
	354	67	145	10	0	0	0	67

MEAN WIND SPEED 2.2
 CALM HOURS 144
 PERCENT CALM 2.0
 MISSING 12

LIMPHICK GENERATING STATION
 WEATHER STATION NO. 2
 LAPSE RATE WIND DISTRIBUTION
 1980
 LOCATION 158FT

DES C/100M (300-28FT) LAPSE RATE ALL STABILITIES

DIRECTION	1-3		4-7		8-12		13-18		19-24		25 PLUS		SUM	
	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT
22.5	62	8	83	1.1	48	4	2	0	0	0	0	0	195	2.5
45.0	37	5	67	.9	12	2	1	0	0	0	0	0	117	1.5
67.5	49	6	53	.7	6	1	4	1	0	0	0	0	114	1.5
90.0	75	10	134	1.8	69	9	7	1	0	0	0	0	286	3.7
112.5	122	16	141	1.9	24	3	2	0	0	0	0	0	293	3.8
135.0	145	19	122	1.6	20	3	17	2	0	0	0	0	332	4.3
157.5	119	16	180	2.4	73	10	32	4	1	0	0	0	415	5.4
180.0	109	14	158	2.1	99	13	28	4	0	0	0	0	398	5.2
202.5	94	12	148	1.9	107	14	35	5	1	0	0	0	349	4.6
225.0	79	10	123	1.6	82	11	22	3	0	0	0	0	306	4.0
247.5	72	9	124	1.6	84	11	42	6	1	0	0	0	345	4.5
270.0	164	22	203	2.7	140	19	55	8	2	0	0	0	581	7.6
292.5	171	23	301	3.9	241	32	144	19	5	1	0	0	920	12.0
315.0	228	30	329	4.3	411	54	270	36	15	2	0	0	1046	13.8
337.5	125	16	156	2.0	190	25	149	19	8	0	0	0	658	8.6
360.0	91	12	120	1.6	115	15	38	5	1	0	0	0	378	4.9
	1761	23.0	2454	32.1	1781	23.3	949	12.6	222	2.9	48	.6	7213	94.3

MISSING HOURS 1132

MEAN WIND SPEED 7.1

TOTAL NUMBER OF CALM HOURS 839 PERCENT 5.7

LYMERICK GENERATING STATION
WEATHER STATION NO. 2
LAPSE RATE WIND DISTRIBUTION
1960
LOCATION 308PT

DIRECTION	1-3		4-7		8-12		13-14		19-24		25 PLUS		LAPSE RATE LE-1.0 CLASS 4	
	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT
22.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
45.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
67.5	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
90.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0
112.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
135.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
157.5	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
180.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
202.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
225.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
247.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
270.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
292.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
315.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
337.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
360.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	3	1.1	28	9.4	42	9.7	36	9.4	11	9.2	0	0.0	115	2.0

MEAN WIND SPEED 11.4
CALM HOURS 3
PERCENT CALM .1
MISSING 146

LIMERICK GENERATING STATION
 WEATHER STATION NO. 2
 LAPSE RATE WIND DISTRIBUTION
 1940
 LOCATION 304FT

LOCATION 304PT														
SPEEDS (MI/HR)														
	1-3		4-7		8-12		13-18		19-24		25 PLUS		SUM PERCENT	
DIRECTION	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT
23.5	1	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	3	1.0
45.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.0
67.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
90.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
112.5	2	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4	1.0
135.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
157.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
180.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
202.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
225.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
247.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
270.0	2	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
292.5	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
315.0	2	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
337.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
360.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	10	0.0	31	0.0	66	1.0	25	0.0	13	0.0	229	0.0		

PEAK WIND SPEED 12.5
 CALM HOURS 1
 PERCENT CALM 0.0
 MISSING 103

LYMERICK GENERATING STATION
 WEATHER STATION NO. 2
 LAPSE RATE WIND DISTRIBUTION
 1980
 LOCATION 304PT

DEG C/100M
 (300-24FT)
 LAPSE RATE
 -1.6/ -1.5 CLASS C

DIRECTION	SPEEDS (MI/HR)										25 PLUS SUM PERCENT	SUM PERCENT
	1-3	4-7	8-12	13-19	19-24	25 PLUS	25 PLUS	25 PLUS	25 PLUS	25 PLUS		
22.5	0	2	1	0	0	0	0	0	0	0	0	1
45.0	0	1	1	0	0	0	0	0	0	0	0	1
67.5	0	1	1	0	0	0	0	0	0	0	0	1
90.0	0	2	1	0	0	0	0	0	0	0	0	1
112.5	0	2	1	0	0	0	0	0	0	0	0	1
135.0	0	2	1	0	0	0	0	0	0	0	0	1
157.5	0	2	1	0	0	0	0	0	0	0	0	1
180.0	0	3	1	1	1	1	1	1	1	1	1	1
202.5	0	3	1	1	1	1	1	1	1	1	1	1
225.0	0	3	1	1	1	1	1	1	1	1	1	1
247.5	0	3	1	1	1	1	1	1	1	1	1	1
270.0	0	3	1	1	1	1	1	1	1	1	1	1
292.5	0	3	1	1	1	1	1	1	1	1	1	1
315.0	0	3	1	1	1	1	1	1	1	1	1	1
337.5	0	3	1	1	1	1	1	1	1	1	1	1
360.0	0	3	1	1	1	1	1	1	1	1	1	1
	28	61	10	10	10	10	10	10	10	10	208	1.2

EAN WIND SPEED 11.8
 ALM HOURS 1
 EXCENT CALM 1
 TASSING 10

LINERICK GENERATING STATION
 WEATHER STATION NO. 2
 LAPSE RATE WIND DISTRIBUTION
 1960
 LOCATION 308PT

INJECTION	1-3		4-7		8-12		13-14		19-24		25 PLUS		LAPSE RATE		DEG C/100M		(300-240FT)		CLASS D	
	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT	SUM	PERCENT
22.5	4	1	20	4	5	3	1	0	0	0	0	0	62	1.1	0	0	0	0	62	1.1
45.0	13	2	41	7	4	6	1	1	0	0	0	0	85	1.5	0	0	0	0	85	1.5
67.5	17	3	29	5	4	12	2	4	1	1	0	0	71	1.2	0	0	0	0	71	1.2
90.0	10	1	50	9	13	50	9	5	1	1	0	0	202	3.5	0	0	0	0	202	3.5
112.5	17	3	20	4	5	4	1	1	0	0	0	0	81	1.4	0	0	0	0	81	1.4
135.0	14	2	30	5	5	13	2	4	1	1	0	0	98	1.7	0	0	0	0	98	1.7
157.5	10	1	47	8	5	21	4	4	2	1	0	0	125	2.2	1	0	0	0	125	2.2
180.0	9	2	21	4	8	19	3	5	1	1	0	0	98	1.7	0	0	0	0	98	1.7
202.5	4	1	14	3	5	17	3	3	2	0	0	0	73	1.3	0	0	0	0	73	1.3
225.0	4	1	15	3	8	12	2	0	0	0	0	0	47	0.8	0	0	0	0	47	0.8
247.5	9	2	14	3	10	34	6	10	2	3	1	1	78	1.4	0	0	0	0	78	1.4
270.0	10	2	27	5	10	34	6	13	3	3	3	3	162	2.8	14	1	1	1	162	2.8
292.5	14	3	43	8	13	84	15	61	11	11	3	3	318	5.5	34	1	1	1	318	5.5
315.0	14	3	34	6	14	209	37	69	12	15	5	5	504	8.8	70	1	1	1	504	8.8
337.5	4	1	4	1	16	64	11	20	4	5	1	1	151	2.6	5	0	0	0	151	2.6
360.0	10	2	26	5	10	40	7	4	1	1	0	0	180	3.2	0	0	0	0	180	3.2
	193	3.4	465	8.1	450	590	10.3	247	4.3	137	2.4	2295	39.0							

10M WIND SPEED 11.6
 10M HOURS 00
 PRESENT CALM 00
 MISSING 012

LIVERICK GENERATING STATION
WEATHER STATION NO. 2
LARGE RATE WIND DISTRIBUTION

SPEEDS (MI/HR)	LOCATION 100FT				DES C/100M (300-2400)		LARGE RATE -0.4/ 1.5 CLASS E	
	1-3	4-7	8-12	13-18	19-24	25 PLUS		
(FREQUENCY)	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT	SUM PERCENT	
22.5	8	11	18	7	0	0	37	4
45.0	1	10	10	2	0	0	27	5
67.5	1	11	6	1	0	0	24	0
90.0	0	19	12	2	0	0	42	7
112.5	10	20	10	4	0	0	44	4
135.0	2	29	27	9	1	0	44	1.5
157.5	14	24	29	13	1	0	44	1.7
180.0	4	34	37	17	2	0	46	1.8
202.5	1	30	26	17	1	0	105	1.7
225.0	3	34	27	13	1	0	97	1.4
247.5	1	22	28	14	1	0	94	1.1
270.0	2	34	32	14	1	0	85	1.8
292.5	2	10	117	12	2	1	104	2.7
315.0	3	34	104	17	12	1	271	2.0
337.5	2	34	47	21	1	0	241	1.5
360.0	1	34	34	24	0	0	115	1.9
	148	453	842	341	65	13	1599	27.4

148 WIND SPEED 9.3
148 WINDS 41
PERCENT CALM 7
LASTING 514

DEC C/100M
(300-26FT)
LARGE RATE
1.6 / 6.0 CLASS F

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840.

LINCOLN GENERATING STATION
WEATHER STATION NO. 2
LARGE RATE WIND DISTRIBUTION

| DIRECTION | 1-3 | | | | 4-7 | | | | 8-12 | | | | 13-18 | | | | 19-24 | | | | 25 PLUS | | | | LARGE RATE
GT. 4.0 CLASS 2 | | | |
|-----------|-----|---------|-----|---------|-----|---------|-----|---------|------|---------|-----|---------|-------|---------|-----|---------|-------|---------|-----|---------|---------|---------|-----|---------|-------------------------------|---------|-----|---------|
| | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT |
| 22.5 | 2 | 0 | 0 | 0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 45.0 | 7 | 1 | 1 | 1.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 |
| 67.5 | 2 | 0 | 0 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 |
| 90.0 | 1 | 0 | 0 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 |
| 112.5 | 0 | 0 | 0 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 |
| 135.0 | 0 | 0 | 0 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 |
| 157.5 | 7 | 1 | 1 | 1.0 | 2 | 0.0 | 2 | 0.0 | 2 | 0.0 | 2 | 0.0 | 2 | 0.0 | 2 | 0.0 | 2 | 0.0 | 2 | 0.0 | 2 | 0.0 | 2 | 0.0 | 2 | 0.0 | 2 | 0.0 |
| 180.0 | 11 | 2 | 2 | 2.0 | 4 | 0.0 | 4 | 0.0 | 4 | 0.0 | 4 | 0.0 | 4 | 0.0 | 4 | 0.0 | 4 | 0.0 | 4 | 0.0 | 4 | 0.0 | 4 | 0.0 | 4 | 0.0 | 4 | 0.0 |
| 202.5 | 17 | 3 | 3 | 3.0 | 8 | 0.0 | 8 | 0.0 | 8 | 0.0 | 8 | 0.0 | 8 | 0.0 | 8 | 0.0 | 8 | 0.0 | 8 | 0.0 | 8 | 0.0 | 8 | 0.0 | 8 | 0.0 | 8 | 0.0 |
| 225.0 | 11 | 2 | 2 | 2.0 | 10 | 0.0 | 10 | 0.0 | 10 | 0.0 | 10 | 0.0 | 10 | 0.0 | 10 | 0.0 | 10 | 0.0 | 10 | 0.0 | 10 | 0.0 | 10 | 0.0 | 10 | 0.0 | 10 | 0.0 |
| 247.5 | 14 | 3 | 3 | 3.0 | 12 | 0.0 | 12 | 0.0 | 12 | 0.0 | 12 | 0.0 | 12 | 0.0 | 12 | 0.0 | 12 | 0.0 | 12 | 0.0 | 12 | 0.0 | 12 | 0.0 | 12 | 0.0 | 12 | 0.0 |
| 270.0 | 18 | 4 | 4 | 4.0 | 17 | 0.0 | 17 | 0.0 | 17 | 0.0 | 17 | 0.0 | 17 | 0.0 | 17 | 0.0 | 17 | 0.0 | 17 | 0.0 | 17 | 0.0 | 17 | 0.0 | 17 | 0.0 | 17 | 0.0 |
| 292.5 | 12 | 3 | 3 | 3.0 | 14 | 0.0 | 14 | 0.0 | 14 | 0.0 | 14 | 0.0 | 14 | 0.0 | 14 | 0.0 | 14 | 0.0 | 14 | 0.0 | 14 | 0.0 | 14 | 0.0 | 14 | 0.0 | 14 | 0.0 |
| 315.0 | 14 | 3 | 3 | 3.0 | 14 | 0.0 | 14 | 0.0 | 14 | 0.0 | 14 | 0.0 | 14 | 0.0 | 14 | 0.0 | 14 | 0.0 | 14 | 0.0 | 14 | 0.0 | 14 | 0.0 | 14 | 0.0 | 14 | 0.0 |
| 337.5 | 10 | 2 | 2 | 2.0 | 12 | 0.0 | 12 | 0.0 | 12 | 0.0 | 12 | 0.0 | 12 | 0.0 | 12 | 0.0 | 12 | 0.0 | 12 | 0.0 | 12 | 0.0 | 12 | 0.0 | 12 | 0.0 | 12 | 0.0 |
| 360.0 | 2 | 0 | 0 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 |
| TOTAL | 118 | 2.0 | 210 | 3.7 | 91 | 1.6 | 18 | 0.2 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 432 | 7.5 | 13 | 0.2 |

WIND SPEED 5.2
WIND NO. 34
WIND CAL 0.0
WIND 208

LIVERICK GENERATING STATION
 WEATHER STATION NO. 2
 LAPSE RATE WIND DISTRIBUTION
 1940
 LOCATION 30487

| INJECTION | 1-3 | | | | 4-7 | | | | 8-12 | | | | 13-18 | | | | 19-24 | | | | 25 PLUS | | | | LAPSE RATE
(300-2407) | | | | ALL STABILITIES | | | |
|-----------|--------------------------|---------|---------|---------|-----------------|---------|---------|---------|
| | SUM | | PERCENT | | SUM | | PERCENT | | SUM | | PERCENT | | SUM | | PERCENT | | SUM | | PERCENT | | SUM | | PERCENT | | SUM | | PERCENT | | SUM | | PERCENT | |
| | PERCENT | PERCENT | PERCENT | PERCENT | PERCENT | PERCENT | PERCENT | PERCENT |
| 22.5 | 18 | 2 | 47 | 1.2 | 58 | 1.0 | 11 | 2 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 129 | 2.2 | 129 | 2.2 | 129 | 2.2 | 129 | 2.2 |
| 45.0 | 33 | 4 | 60 | 1.2 | 46 | .8 | 4 | 2 | 1 | .0 | 1 | .0 | 1 | .0 | 1 | .0 | 1 | .0 | 1 | .0 | 1 | .0 | 1 | .0 | 138 | 2.7 | 138 | 2.7 | 138 | 2.7 | 138 | 2.7 |
| 67.5 | 18 | 3 | 48 | 1.1 | 36 | .6 | 14 | 2 | 5 | .1 | 5 | .1 | 5 | .1 | 5 | .1 | 5 | .1 | 5 | .1 | 5 | .1 | 5 | .1 | 138 | 2.4 | 138 | 2.4 | 138 | 2.4 | 138 | 2.4 |
| 90.0 | 35 | 6 | 101 | 1.2 | 95 | 1.7 | 53 | .9 | 17 | .3 | 17 | .3 | 17 | .3 | 17 | .3 | 17 | .3 | 17 | .3 | 17 | .3 | 17 | .3 | 289 | 5.0 | 289 | 5.0 | 289 | 5.0 | 289 | 5.0 |
| 112.5 | 34 | 6 | 63 | 1.1 | 45 | .8 | 8 | 1 | 1 | .0 | 1 | .0 | 1 | .0 | 1 | .0 | 1 | .0 | 1 | .0 | 1 | .0 | 1 | .0 | 151 | 2.6 | 151 | 2.6 | 151 | 2.6 | 151 | 2.6 |
| 135.0 | 46 | 8 | 87 | 1.3 | 55 | 1.0 | 22 | .4 | 22 | .4 | 22 | .4 | 22 | .4 | 22 | .4 | 22 | .4 | 22 | .4 | 22 | .4 | 22 | .4 | 223 | 3.9 | 223 | 3.9 | 223 | 3.9 | 223 | 3.9 |
| 157.5 | 44 | 8 | 101 | 1.4 | 101 | 1.8 | 40 | .7 | 40 | .7 | 40 | .7 | 40 | .7 | 40 | .7 | 40 | .7 | 40 | .7 | 40 | .7 | 40 | .7 | 277 | 4.8 | 277 | 4.8 | 277 | 4.8 | 277 | 4.8 |
| 180.0 | 39 | 7 | 90 | 1.4 | 100 | 1.7 | 45 | .8 | 45 | .8 | 45 | .8 | 45 | .8 | 45 | .8 | 45 | .8 | 45 | .8 | 45 | .8 | 45 | .8 | 291 | 5.1 | 291 | 5.1 | 291 | 5.1 | 291 | 5.1 |
| 202.5 | 22 | 4 | 83 | 1.2 | 77 | 1.3 | 50 | 1.0 | 50 | 1.0 | 50 | 1.0 | 50 | 1.0 | 50 | 1.0 | 50 | 1.0 | 50 | 1.0 | 50 | 1.0 | 50 | 1.0 | 297 | 4.9 | 297 | 4.9 | 297 | 4.9 | 297 | 4.9 |
| 225.0 | 40 | 7 | 84 | 1.3 | 91 | 1.6 | 30 | .5 | 30 | .5 | 30 | .5 | 30 | .5 | 30 | .5 | 30 | .5 | 30 | .5 | 30 | .5 | 30 | .5 | 258 | 4.5 | 258 | 4.5 | 258 | 4.5 | 258 | 4.5 |
| 247.5 | 38 | 6 | 71 | 1.2 | 85 | 1.5 | 43 | .7 | 43 | .7 | 43 | .7 | 43 | .7 | 43 | .7 | 43 | .7 | 43 | .7 | 43 | .7 | 43 | .7 | 263 | 4.4 | 263 | 4.4 | 263 | 4.4 | 263 | 4.4 |
| 270.0 | 59 | 9 | 134 | 2.0 | 180 | 2.4 | 87 | 1.4 | 87 | 1.4 | 87 | 1.4 | 87 | 1.4 | 87 | 1.4 | 87 | 1.4 | 87 | 1.4 | 87 | 1.4 | 87 | 1.4 | 469 | 8.2 | 469 | 8.2 | 469 | 8.2 | 469 | 8.2 |
| 292.5 | 54 | 1.0 | 317 | 3.4 | 300 | 5.2 | 179 | 3.1 | 179 | 3.1 | 179 | 3.1 | 179 | 3.1 | 179 | 3.1 | 179 | 3.1 | 179 | 3.1 | 179 | 3.1 | 179 | 3.1 | 893 | 14.3 | 893 | 14.3 | 893 | 14.3 | 893 | 14.3 |
| 315.0 | 49 | 1.0 | 140 | 2.4 | 248 | 4.9 | 360 | 4.4 | 360 | 4.4 | 360 | 4.4 | 360 | 4.4 | 360 | 4.4 | 360 | 4.4 | 360 | 4.4 | 360 | 4.4 | 360 | 4.4 | 1071 | 18.4 | 1071 | 18.4 | 1071 | 18.4 | 1071 | 18.4 |
| 337.5 | 42 | .7 | 74 | 1.4 | 123 | 2.1 | 108 | 1.8 | 108 | 1.8 | 108 | 1.8 | 108 | 1.8 | 108 | 1.8 | 108 | 1.8 | 108 | 1.8 | 108 | 1.8 | 108 | 1.8 | 391 | 6.4 | 391 | 6.4 | 391 | 6.4 | 391 | 6.4 |
| 360.0 | 35 | .6 | 44 | 1.4 | 127 | 2.2 | 80 | 1.4 | 80 | 1.4 | 80 | 1.4 | 80 | 1.4 | 80 | 1.4 | 80 | 1.4 | 80 | 1.4 | 80 | 1.4 | 80 | 1.4 | 331 | 5.4 | 331 | 5.4 | 331 | 5.4 | 331 | 5.4 |

EAN WIND SPEED 9.0
 TOTAL NUMBER OF CALM WINDS 178 PERCENT 3.0

MISSING HOURS 3031

SECTION IV

LIMBICK GENERATING STATION
 WEATHER STATION NO. 2
 LAPSE RATE WIND DISTRIBUTION
 1967
 LOCATION 30FT

| DIRECTION | 1-3 | | 4-7 | | 8-12 | | 13-18 | | 19-24 | | 25 PLUS | | LAPSE RATE
(195-24FT) | | LAPSE RATE
(25-1.0 CLASS A) | |
|-----------|-----|---------|-----|---------|------|---------|-------|---------|-------|---------|---------|---------|--------------------------|---------|--------------------------------|---------|
| | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT |
| 22.5 | 7 | 1 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 2 |
| 45.0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 |
| 67.5 | 3 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 1 |
| 90.0 | 4 | 1 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 2 |
| 112.5 | 13 | 2 | 15 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 4 |
| 135.0 | 14 | 2 | 12 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 5 |
| 157.5 | 21 | 3 | 30 | 4 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 | 7 |
| 180.0 | 14 | 2 | 40 | 6 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43 | 7 |
| 202.5 | 17 | 2 | 30 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 53 | 9 |
| 225.0 | 14 | 2 | 24 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42 | 7 |
| 247.5 | 21 | 3 | 24 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 49 | 8 |
| 270.0 | 34 | 5 | 47 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 82 | 14 |
| 292.5 | 24 | 3 | 41 | 6 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 130 | 23 |
| 315.0 | 10 | 1 | 17 | 2 | 4 | 4 | 17 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 123 | 21 |
| 337.5 | 14 | 2 | 34 | 5 | 5 | 5 | 19 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 98 | 17 |
| 360.0 | 14 | 2 | 34 | 5 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 | 7 |
| | 234 | 3.3 | 444 | 6.2 | 134 | 1.4 | 37 | .4 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 645 | 11.4 |

MEAN WIND SPEED 5.3
 CALM HOURS 10
 PERCENT CALM 4
 MISSING 64

LYNNICK GENERATING STATION
 WEATHER STATION NO. 2
 LAPSE RATE WIND DISTRIBUTION
 1960
 LOCATION 30FT

DES C/100M
 (155-28FT)
 LAPSE RATE
 -1.8/ -1.7 CLASS 6

| DIRECTION | SPEEDS (MI/HR) | | | | 19-26 | | 25 PLUS | | SUM PERCENT | |
|-----------|----------------|-----|------|-------|-------------|-------------|-------------|-------------|-------------|-------------|
| | 1-3 | 4-7 | 8-12 | 13-16 | SUM PERCENT | SUM PERCENT | SUM PERCENT | SUM PERCENT | SUM PERCENT | SUM PERCENT |
| 22.5 | 0.0 | 2 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 45.0 | 0.0 | 2 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 67.5 | 1 | 1 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 90.0 | 0.0 | 1 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 112.5 | 2 | 3 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 135.0 | 2 | 2 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 157.5 | 2 | 4 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 180.0 | 2 | 4 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 202.5 | 3 | 3 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 225.0 | 1 | 1 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 247.5 | 2 | 2 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 270.0 | 3 | 4 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 292.5 | 3 | 7 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 315.0 | 2 | 4 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 337.5 | 1 | 1 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 360.0 | 1 | 2 | 0.0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| | 24 | 49 | 26 | 7 | 1 | 0.0 | 0 | 0.0 | 111 | 1.9 |

MEAN WIND SPEED 6.6
 CALM HOURS 0
 PERCENT CALM 0.0
 MISSING 9

LITWICK GENERATING STATION
 WEATHER STATION NO. 2
 LARGE RATE WIND DISTRIBUTION
 1940
 LOCATION 50FT

| DIRECTION | 1-3 | | 4-7 | | 8-12 | | 13-18 | | 19-24 | | 25 PLUS | | LARGE RATE
-0.4/ 1.5 CLASS E | |
|-----------|-----|---------|-----|---------|------|---------|-------|---------|-------|---------|---------|---------|---------------------------------|---------|
| | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT |
| 22.5 | 4 | 1 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 12 |
| 45.0 | 4 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 67.5 | 4 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 90.0 | 11 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 15 |
| 112.5 | 38 | 10 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42 | 30 |
| 135.0 | 80 | 21 | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 112 | 80 |
| 157.5 | 130 | 35 | 3 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 221 | 158 |
| 180.0 | 174 | 47 | 4 | 4 | 14 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 142 | 102 |
| 202.5 | 28 | 8 | 7 | 7 | 12 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 9 |
| 225.0 | 12 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 13 |
| 247.5 | 13 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 11 |
| 270.0 | 24 | 6 | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 38 | 27 |
| 292.5 | 47 | 12 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 16 |
| 315.0 | 76 | 20 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 53 | 38 |
| 337.5 | 79 | 21 | 1 | 1 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 241 | 173 |
| 360.0 | 43 | 11 | 2 | 2 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 78 | 56 |
| | 728 | 100 | 89 | 12 | 146 | 19 | 10 | 2 | 0 | 0 | 0 | 0 | 1737 | 202 |

MEAN WIND SPEED 9.4
 CALM HOURS 294
 PERCENT CALM 4.1
 MISSING 173

LIMERICK GENERATING STATION
 WEATHER STATION NO. 2
 LAKE RATE WIND DISTRIBUTION
 1980
 LOCATION 30FT

| DIRECTION | 1-3 | | 4-7 | | 8-12 | | 13-18 | | 19-24 | | 25 PLUS | | LAKE RATE
1.6 / 4.0 CLASS P | |
|-----------|-----|---------|-----|---------|------|---------|-------|---------|-------|---------|---------|---------|--------------------------------|---------|
| | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT |
| 22.5 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 4 | 0.0 |
| 45.0 | 3 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 3 | 0.0 |
| 67.5 | 2 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 0.0 |
| 90.0 | 2 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 3 | 0.0 |
| 112.5 | 6 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 4 | 0.0 |
| 135.0 | 15 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 10 | 0.0 |
| 157.5 | 64 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 43 | 0.0 |
| 180.0 | 34 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 40 | 0.0 |
| 202.5 | 4 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 4 | 0.0 |
| 225.0 | 4 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 4 | 0.0 |
| 247.5 | 4 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 4 | 0.0 |
| 270.0 | 14 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 10 | 0.0 |
| 292.5 | 27 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 16 | 0.0 |
| 315.0 | 47 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 36 | 0.0 |
| 337.5 | 60 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 46 | 0.0 |
| 360.0 | 14 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 72 | 0.0 |
| | | | | | | | | | | | | | 17 | 0.0 |
| | | | | | | | | | | | | | 392 | 0.0 |

MAX WIND SPEED 1.1
 ALM WINDS 360
 EXCENT CALM 5.1
 TISSING 43

LYTHICK GENERATING STATION
 WEATHER STATION NO. 2
 LAPSE RATE WIND DISTRIBUTION
 1960
 LOCATION SOFT

| DIRECTION | SPEEDS (MI/HR) | | | | LAPSE RATE
GT. 4.0 CLASS C | | | |
|-----------|----------------|-------------|-------------|-------------|-------------------------------|-------------|---------------------------|-----|
| | 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | 25 PLUS | 0.0 C/100M
(195-24 FT) | |
| | SUM PERCENT | SUM PERCENT | SUM PERCENT | SUM PERCENT | SUM PERCENT | SUM PERCENT | | |
| 22.5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 45.0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 67.5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 90.0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 112.5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 135.0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 157.5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 180.0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 202.5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 225.0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 247.5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 270.0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 292.5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 315.0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 337.5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 360.0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 34 | 14 | 0 | 0 | 0 | 0 | 0 | 350 |
| | | | | | | | | 4.0 |

10 MIN SPEED 3
 10 MIN WINDS 650
 100 FT CALM 0.0
 100 FT CALM 0.0

LIMBICK GENERATING STATION
WEATHER STATION NO. 2
LAKE RATE WIND DISTRIBUTION
1950
LOCATION 30FT

| DIRECTION | 1-5 | | | 6-7 | | | 8-12 | | | 13-14 | | | 15-24 | | | 25 PLUS | | | LAKE RATE | | | ALL STATIONS | | | | |
|-----------|-----|---------|------|---------|-----|---------|------|---------|-----|---------|-----|---------|-------|---------|-----|---------|-----|---------|-----------|---------|-----|--------------|-----|---------|-----|--|
| | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | | |
| 22.5 | 48 | 7 | 41 | 13 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 103 | 1.8 | 103 | 1.8 | 103 | 1.8 | | |
| 45.0 | 33 | 5 | 20 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 76 | 1.2 | 76 | 1.2 | 76 | 1.2 | | |
| 67.5 | 40 | 6 | 31 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 88 | 1.4 | 88 | 1.4 | 88 | 1.4 | | |
| 90.0 | 60 | 9 | 47 | 15 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 133 | 2.2 | 133 | 2.2 | 133 | 2.2 | | |
| 112.5 | 144 | 21 | 107 | 34 | 5 | 2 | 2 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 270 | 4.5 | 270 | 4.5 | 270 | 4.5 | | |
| 135.0 | 194 | 28 | 148 | 48 | 7 | 3 | 3 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 392 | 6.4 | 392 | 6.4 | 392 | 6.4 | | |
| 157.5 | 446 | 65 | 341 | 110 | 16 | 8 | 8 | 8 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 897 | 14.8 | 897 | 14.8 | 897 | 14.8 | | |
| 180.0 | 204 | 30 | 174 | 56 | 23 | 3 | 3 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 419 | 7.0 | 419 | 7.0 | 419 | 7.0 | | |
| 202.5 | 47 | 7 | 37 | 12 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 178 | 2.9 | 178 | 2.9 | 178 | 2.9 | | |
| 225.0 | 65 | 9 | 51 | 17 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 108 | 1.8 | 108 | 1.8 | 108 | 1.8 | | |
| 247.5 | 64 | 9 | 51 | 17 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 118 | 1.9 | 118 | 1.9 | 118 | 1.9 | | |
| 270.0 | 129 | 18 | 98 | 32 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 226 | 3.7 | 226 | 3.7 | 226 | 3.7 | | |
| 292.5 | 204 | 30 | 161 | 53 | 8 | 4 | 4 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 449 | 7.4 | 449 | 7.4 | 449 | 7.4 | | |
| 315.0 | 195 | 28 | 150 | 49 | 7 | 2 | 2 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 423 | 7.0 | 423 | 7.0 | 423 | 7.0 | | |
| 337.5 | 242 | 35 | 201 | 66 | 9 | 3 | 3 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 541 | 9.0 | 541 | 9.0 | 541 | 9.0 | | |
| 360.0 | 132 | 19 | 121 | 39 | 5 | 2 | 2 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 294 | 4.8 | 294 | 4.8 | 294 | 4.8 | | |
| 2321 | | | 1805 | 588 | 8.6 | 411 | 5.7 | 58 | .8 | 5 | .1 | 579 | 7.8 | 5 | .1 | 579 | 7.8 | 579 | 7.8 | 579 | 7.8 | 579 | 7.8 | 579 | 7.8 | |
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LAKE WIND SPEED 4.8

TOTAL NUMBER OF CALM WINDS 1060 PERCENT 2.1

MISSING HOURS 1925

LINEMICK GENERATING STATION
WEATHER STATION NO. 2
LAKE WATKINS WIND DISTRIBUTION
1960
LOCATION 159PT

| DIRECTION | 1-3 | | 4-7 | | 8-12 | | 13-18 | | 19-24 | | 25 PLUS | | LAKE RATE
LE-1.0 CLASS 4 | |
|-----------|-----|---------|-----|---------|------|---------|-------|---------|-------|---------|---------|---------|-----------------------------|---------|
| | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT |
| 22.5 | 8 | 0.0 | 2 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 14 | 0.2 |
| 45.0 | 8 | 0.0 | 4 | 0.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 10 | 0.1 |
| 67.5 | 1 | 0.0 | 2 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 3 | 0.0 |
| 90.0 | 7 | 0.0 | 4 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 15 | 0.2 |
| 112.5 | 10 | 0.1 | 10 | 0.1 | 2 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 22 | 0.3 |
| 135.0 | 14 | 0.2 | 18 | 0.2 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 38 | 0.5 |
| 157.5 | 15 | 0.2 | 24 | 0.3 | 4 | 0.0 | 7 | 0.1 | 1 | 0.0 | 0 | 0.0 | 44 | 0.6 |
| 180.0 | 11 | 0.1 | 4 | 0.0 | 3 | 0.0 | 1 | 0.0 | 1 | 0.0 | 0 | 0.0 | 48 | 0.7 |
| 202.5 | 4 | 0.0 | 21 | 0.3 | 22 | 0.3 | 6 | 0.0 | 0 | 0.0 | 0 | 0.0 | 54 | 0.8 |
| 225.0 | 2 | 0.0 | 24 | 0.3 | 3 | 0.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 54 | 0.8 |
| 247.5 | 9 | 0.1 | 42 | 0.6 | 41 | 0.6 | 12 | 0.2 | 2 | 0.0 | 0 | 0.0 | 71 | 1.0 |
| 270.0 | 18 | 0.2 | 54 | 0.8 | 48 | 0.7 | 17 | 0.2 | 1 | 0.0 | 0 | 0.0 | 134 | 1.9 |
| 292.5 | 10 | 0.1 | 40 | 0.6 | 24 | 0.3 | 17 | 0.2 | 1 | 0.0 | 0 | 0.0 | 104 | 1.5 |
| 315.0 | 4 | 0.0 | 24 | 0.3 | 30 | 0.4 | 29 | 0.4 | 4 | 0.0 | 0 | 0.0 | 91 | 1.3 |
| 337.5 | 18 | 0.2 | 22 | 0.3 | 24 | 0.3 | 33 | 0.5 | 5 | 0.0 | 0 | 0.0 | 98 | 1.4 |
| 360.0 | 10 | 0.1 | 21 | 0.3 | 27 | 0.4 | 3 | 0.0 | 0 | 0.0 | 0 | 0.0 | 61 | 0.9 |
| TOTAL | 134 | 1.7 | 330 | 4.4 | 310 | 4.0 | 131 | 1.7 | 15 | 0.2 | 0 | 0.0 | 920 | 12.0 |

WIND SPEED 7.8
WIND DIRECTION 20
WIND FREQUENCY 0.3
WIND CLASS 9

LIMERICK GENERATING STATION
 WEATHER STATION NO. 2
 LAPSE RATE WIND DISTRIBUTION
 1980
 LOCATION 1987

DES C/100M
 (195-24FT)
 LAPSE RATE
 -1.8/ -1.7 CLASS B

| DIRECTION | 1-3 | | 4-7 | | 8-12 | | 13-18 | | 19-24 | | 25 PLUS | | SUM PERCENT |
|-----------|-----|---------|-----|---------|------|---------|-------|---------|-------|---------|---------|---------|-------------|
| | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | |
| 22.5 | 0 | 0.0 | 3 | 0.0 | 2 | 0.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| 45.0 | 0 | 0.0 | 2 | 0.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| 67.5 | 0 | 0.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| 90.0 | 0 | 0.0 | 2 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| 112.5 | 1 | 0.0 | 4 | 0.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| 135.0 | 2 | 0.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| 157.5 | 1 | 0.0 | 4 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| 180.0 | 2 | 0.0 | 2 | 0.0 | 2 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| 202.5 | 0 | 0.0 | 1 | 0.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| 225.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| 247.5 | 2 | 0.0 | 1 | 0.0 | 0 | 0.0 | 2 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| 270.0 | 3 | 0.0 | 3 | 0.0 | 3 | 0.0 | 4 | 0.0 | 2 | 0.0 | 0 | 0.0 | 0 |
| 292.5 | 1 | 0.0 | 7 | 0.0 | 4 | 0.0 | 2 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| 315.0 | 0 | 0.0 | 3 | 0.0 | 1 | 0.0 | 7 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| 337.5 | 0 | 0.0 | 2 | 0.0 | 3 | 0.0 | 3 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| 360.0 | 0 | 0.0 | 1 | 0.0 | 1 | 0.0 | 2 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| | 13 | 0.0 | 36 | 0.0 | 38 | 0.0 | 28 | 0.0 | 8 | 0.0 | 0 | 0.0 | 119 |
| | | | | | | | | | | | | | 1.5 |

14N WIND SPEED 9.4
 14M WINDS 0
 PERCENT CALM 0.0
 MISSING 1

LIMERICK GENERATING STATION
 WEATHER STATION NO. 2
 LAKE RATE WIND DISTRIBUTION
 1960
 LOCATION 15977

| RECTION | 1-3 | | 4-7 | | 8-12 | | 13-18 | | 19-24 | | 25 PLUS | | LAKE RATE
-1.6/ -1.5 CLASS C | |
|---------|-----|---------|-----|---------|------|---------|-------|---------|-------|---------|---------|---------|---------------------------------|---------|
| | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT |
| 22.5 | 0 | 0.0 | 7 | 1.1 | 7 | 1.1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 19 | 2.8 |
| 45.0 | 0 | 0.0 | 4 | 0.6 | 4 | 0.6 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 4 | 0.6 |
| 67.5 | 0 | 0.0 | 1 | 0.1 | 1 | 0.1 | 1 | 0.1 | 0 | 0.0 | 0 | 0.0 | 7 | 1.1 |
| 90.0 | 1 | 0.1 | 1 | 0.1 | 1 | 0.1 | 2 | 0.3 | 0 | 0.0 | 0 | 0.0 | 15 | 2.2 |
| 112.5 | 4 | 0.6 | 4 | 0.6 | 4 | 0.6 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 18 | 2.7 |
| 135.0 | 1 | 0.1 | 1 | 0.1 | 1 | 0.1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 12 | 1.8 |
| 157.5 | 4 | 0.6 | 4 | 0.6 | 4 | 0.6 | 3 | 0.4 | 1 | 0.1 | 0 | 0.0 | 18 | 2.7 |
| 180.0 | 2 | 0.3 | 1 | 0.1 | 1 | 0.1 | 3 | 0.4 | 0 | 0.0 | 0 | 0.0 | 21 | 3.2 |
| 202.5 | 0 | 0.0 | 4 | 0.6 | 4 | 0.6 | 1 | 0.1 | 0 | 0.0 | 0 | 0.0 | 14 | 2.1 |
| 225.0 | 1 | 0.1 | 1 | 0.1 | 1 | 0.1 | 3 | 0.4 | 0 | 0.0 | 0 | 0.0 | 17 | 2.5 |
| 247.5 | 2 | 0.3 | 1 | 0.1 | 1 | 0.1 | 1 | 0.1 | 0 | 0.0 | 0 | 0.0 | 20 | 3.0 |
| 270.0 | 4 | 0.6 | 11 | 1.6 | 14 | 2.1 | 2 | 0.3 | 0 | 0.0 | 0 | 0.0 | 38 | 5.7 |
| 292.5 | 1 | 0.1 | 11 | 1.6 | 12 | 1.8 | 0 | 0.0 | 1 | 0.1 | 0 | 0.0 | 45 | 6.8 |
| 315.0 | 3 | 0.4 | 17 | 2.5 | 19 | 2.8 | 2 | 0.3 | 0 | 0.0 | 1 | 0.1 | 75 | 11.3 |
| 337.5 | 1 | 0.1 | 13 | 1.9 | 15 | 2.2 | 4 | 0.6 | 18 | 2.7 | 0 | 0.0 | 40 | 6.0 |
| 360.0 | 1 | 0.1 | 4 | 0.6 | 4 | 0.6 | 1 | 0.1 | 0 | 0.0 | 0 | 0.0 | 21 | 3.2 |
| | 36 | 0.5 | 113 | 1.7 | 121 | 1.8 | 69 | 1.0 | 21 | 0.3 | 2 | 0.0 | 378 | 5.7 |

AN WIND SPEED 9.5
 LM WINDS 5
 BEAT CALM 1
 451.6 10

LIMPHICK GENERATING STATION
WEATHER STATION NO. 2
LAPSE RATE WIND DISTRIBUTION
1960
LOCATION 159FT

| SECTION | 1-3 | | 4-7 | | 8-12 | | 13-18 | | 19-24 | | 25 PLUS | | LAPSE RATE
-1.0/ +0.5 CLASS 0 | |
|---------|-----|---------|-----|---------|------|---------|-------|---------|-------|---------|---------|---------|----------------------------------|---------|
| | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT |
| 22.5 | 21 | 7 | 30 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 77 | 1.0 |
| 45.0 | 10 | 2 | 35 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 55 | 0.7 |
| 67.5 | 28 | 4 | 40 | 5 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 71 | 0.9 |
| 90.0 | 24 | 3 | 64 | 10 | 6 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 154 | 2.0 |
| 112.5 | 34 | 5 | 60 | 9 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 116 | 1.5 |
| 135.0 | 31 | 4 | 29 | 4 | 2 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 41 | 0.5 |
| 157.5 | 33 | 4 | 44 | 6 | 3 | 9 | 1 | 4 | 1 | 0 | 0 | 0 | 114 | 1.5 |
| 180.0 | 27 | 3 | 24 | 3 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 79 | 1.0 |
| 202.5 | 10 | 1 | 27 | 3 | 0 | 14 | 0 | 2 | 0 | 0 | 0 | 0 | 64 | 0.8 |
| 225.0 | 8 | 1 | 14 | 2 | 2 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 45 | 0.6 |
| 247.5 | 10 | 1 | 14 | 2 | 2 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 58 | 0.8 |
| 270.0 | 22 | 3 | 34 | 5 | 8 | 22 | 3 | 4 | 1 | 0 | 0 | 0 | 119 | 1.5 |
| 292.5 | 22 | 3 | 54 | 8 | 9 | 47 | 6 | 34 | 4 | 3 | 0 | 0 | 253 | 3.3 |
| 315.0 | 31 | 4 | 60 | 9 | 15 | 204 | 27 | 79 | 10 | 33 | 0 | 0 | 928 | 12.0 |
| 337.5 | 24 | 3 | 34 | 5 | 0 | 64 | 8 | 20 | 3 | 3 | 0 | 0 | 212 | 2.8 |
| 360.0 | 24 | 3 | 36 | 5 | 5 | 14 | 2 | 4 | 1 | 0 | 0 | 0 | 122 | 1.6 |
| | 354 | 4.4 | 441 | 5.8 | 7.1 | 441 | 5.7 | 151 | 2.0 | 39 | .5 | | 2172 | 28.2 |

AN WIND SPEED 9.2
LM HOURS 40
PFCNT CALM 47
SSING 42

LYMEICK GENERATING STATION
 WEATHER STATION NO. 2
 LAPSE RATE WIND DISTRIBUTION
 1980
 LOCATION 159PT

| SECTION | 1-3 | | 4-7 | | 8-12 | | 13-14 | | 19-24 | | 25 PLUS | | LAPSE RATE
-0.4/ 1.5 CLASS F | |
|---------|-----|---------|-----|---------|------|---------|-------|---------|-------|---------|---------|---------|---------------------------------|---------|
| | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT |
| 22.5 | 19 | 2 | 24 | 4 | 14 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 61 | 4 |
| 24 | 11 | 2 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 2 |
| 26.5 | 14 | 2 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 2 |
| 29 | 22 | 4 | 33 | 6 | 14 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 14 | 1 |
| 31.5 | 22 | 4 | 54 | 10 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 33 | 2 |
| 34 | 24 | 4 | 40 | 8 | 12 | 2 | 9 | 1 | 0 | 0 | 0 | 0 | 91 | 6 |
| 36.5 | 24 | 4 | 45 | 9 | 12 | 2 | 10 | 1 | 0 | 0 | 0 | 0 | 127 | 9 |
| 39 | 19 | 3 | 65 | 13 | 34 | 5 | 14 | 2 | 0 | 0 | 0 | 0 | 120 | 8 |
| 41.5 | 19 | 3 | 62 | 12 | 27 | 4 | 7 | 1 | 0 | 0 | 0 | 0 | 112 | 7 |
| 44 | 30 | 6 | 47 | 9 | 16 | 3 | 4 | 1 | 0 | 0 | 0 | 0 | 70 | 5 |
| 46.5 | 12 | 2 | 34 | 7 | 16 | 3 | 7 | 1 | 0 | 0 | 0 | 0 | 71 | 5 |
| 49 | 14 | 3 | 54 | 11 | 16 | 3 | 10 | 2 | 0 | 0 | 0 | 0 | 123 | 8 |
| 51.5 | 24 | 5 | 42 | 8 | 12 | 2 | 11 | 2 | 0 | 0 | 0 | 0 | 140 | 10 |
| 54 | 24 | 5 | 112 | 22 | 120 | 22 | 41 | 7 | 0 | 0 | 0 | 0 | 280 | 20 |
| 56.5 | 24 | 5 | 91 | 18 | 107 | 20 | 107 | 19 | 0 | 0 | 0 | 0 | 449 | 32 |
| 59 | 34 | 7 | 34 | 7 | 34 | 6 | 34 | 6 | 0 | 0 | 0 | 0 | 194 | 14 |
| 61.5 | 22 | 4 | 34 | 7 | 43 | 8 | 8 | 1 | 0 | 0 | 0 | 0 | 110 | 8 |
| 64 | 350 | 68 | 702 | 134 | 664 | 124 | 260 | 48 | 38 | 7 | 2048 | 384 | 2048 | 384 |

14N WIND SPEED 7.0
 14W WINDS 07
 PRECIP CALM 1.3
 RAINING 0.7

LIMERICK GENERATION STATION
WEATHER STATION NO. 2
LAKE RATE WIND DISTRIBUTION
1980

| DIRECTION | 1-9 | | 10-19 | | 20-29 | | 30-39 | | 40-49 | | 50-59 | | 60-69 | | 70-79 | | 80-89 | | 90-99 | | 100-109 | | 110-119 | | 120-129 | | 130-139 | | 140-149 | | 150-159 | | 160-169 | | 170-179 | | 180-189 | | 190-199 | | 200-209 | | 210-219 | | 220-229 | | 230-239 | | 240-249 | | 250-259 | | 260-269 | | 270-279 | | 280-289 | | 290-299 | | 300-309 | | 310-319 | | 320-329 | | 330-339 | | 340-349 | | 350-359 | | 360-369 | | 370-379 | | 380-389 | | 390-399 | | 400-409 | | 410-419 | | 420-429 | | 430-439 | | 440-449 | | 450-459 | | 460-469 | | 470-479 | | 480-489 | | 490-499 | | 500-509 | | 510-519 | | 520-529 | | 530-539 | | 540-549 | | 550-559 | | 560-569 | | 570-579 | | 580-589 | | 590-599 | | 600-609 | | 610-619 | | 620-629 | | 630-639 | | 640-649 | | 650-659 | | 660-669 | | 670-679 | | 680-689 | | 690-699 | | 700-709 | | 710-719 | | 720-729 | | 730-739 | | 740-749 | | 750-759 | | 760-769 | | 770-779 | | 780-789 | | 790-799 | | 800-809 | | 810-819 | | 820-829 | | 830-839 | | 840-849 | | 850-859 | | 860-869 | | 870-879 | | 880-889 | | 890-899 | | 900-909 | | 910-919 | | 920-929 | | 930-939 | | 940-949 | | 950-959 | | 960-969 | | 970-979 | | 980-989 | | 990-999 | | 1000-1009 | | 1010-1019 | | 1020-1029 | | 1030-1039 | | 1040-1049 | | 1050-1059 | | 1060-1069 | | 1070-1079 | | 1080-1089 | | 1090-1099 | | 1100-1109 | | 1110-1119 | | 1120-1129 | | 1130-1139 | | 1140-1149 | | 1150-1159 | | 1160-1169 | | 1170-1179 | | 1180-1189 | | 1190-1199 | | 1200-1209 | | 1210-1219 | | 1220-1229 | | 1230-1239 | | 1240-1249 | | 1250-1259 | | 1260-1269 | | 1270-1279 | | 1280-1289 | | 1290-1299 | | 1300-1309 | | 1310-1319 | | 1320-1329 | | 1330-1339 | | 1340-1349 | | 1350-1359 | | 1360-1369 | | 1370-1379 | | 1380-1389 | | 1390-1399 | | 1400-1409 | | 1410-1419 | | 1420-1429 | | 1430-1439 | | 1440-1449 | | 1450-1459 | | 1460-1469 | | 1470-1479 | | 1480-1489 | | 1490-1499 | | 1500-1509 | | 1510-1519 | | 1520-1529 | | 1530-1539 | | 1540-1549 | | 1550-1559 | | 1560-1569 | | 1570-1579 | | 1580-1589 | | 1590-1599 | | 1600-1609 | | 1610-1619 | | 1620-1629 | | 1630-1639 | | 1640-1649 | | 1650-1659 | | 1660-1669 | | 1670-1679 | | 1680-1689 | | 1690-1699 | | 1700-1709 | | 1710-1719 | | 1720-1729 | | 1730-1739 | | 1740-1749 | | 1750-1759 | | 1760-1769 | | 1770-1779 | | 1780-1789 | | 1790-1799 | | 1800-1809 | | 1810-1819 | | 1820-1829 | | 1830-1839 | | 1840-1849 | | 1850-1859 | | 1860-1869 | | 1870-1879 | | 1880-1889 | | 1890-1899 | | 1900-1909 | | 1910-1919 | | 1920-1929 | | 1930-1939 | | 1940-1949 | | 1950-1959 | | 1960-1969 | | 1970-1979 | | 1980-1989 | | 1990-1999 | | 2000-2009 | | 2010-2019 | | 2020-2029 | | 2030-2029 | | 2040-2049 | | 2050-2059 | | 2060-2069 | | 2070-2079 | | 2080-2089 | | 2090-2099 | | 2100-2109 | | 2110-2119 | | 2120-2129 | | 2130-2139 | | 2140-2149 | | 2150-2159 | | 2160-2169 | | 2170-2179 | | 2180-2189 | | 2190-2199 | | 2200-2209 | | 2210-2219 | | 2220-2229 | | 2230-2239 | | 2240-2249 | | 2250-2259 | | 2260-2269 | | 2270-2279 | | 2280-2289 | | 2290-2299 | | 2300-2309 | | 2310-2319 | | 2320-2329 | | 2330-2339 | | 2340-2349 | | 2350-2359 | | 2360-2369 | | 2370-2379 | | 2380-2389 | | 2390-2399 | | 2400-2409 | | 2410-2419 | | 2420-2429 | | 2430-2439 | | 2440-2449 | | 2450-2459 | | 2460-2469 | | 2470-2479 | | 2480-2489 | | 2490-2499 | | 2500-2509 | | 2510-2519 | | 2520-2529 | | 2530-2539 | | 2540-2549 | | 2550-2559 | | 2560-2569 | | 2570-2579 | | 2580-2589 | | 2590-2599 | | 2600-2609 | | 2610-2619 | | 2620-2629 | | 2630-2639 | | 2640-2649 | | 2650-2659 | | 2660-2669 | | 2670-2679 | | 2680-2689 | | 2690-2699 | | 2700-2709 | | 2710-2719 | | 2720-2729 | | 2730-2739 | | 2740-2749 | | 2750-2759 | | 2760-2769 | | 2770-2779 | | 2780-2789 | | 2790-2799 | | 2800-2809 | | 2810-2819 | | 2820-2829 | | 2830-2839 | | 2840-2849 | | 2850-2859 | | 2860-2869 | | 2870-2879 | | 2880-2889 | | 2890-2899 | | 2900-2909 | | 2910-2919 | | 2920-2929 | | 2930-2939 | | 2940-2949 | | 2950-2959 | | 2960-2969 | | 2970-2979 | | 2980-2989 | | 2990-2999 | | 3000-3009 | | 3010-3019 | | 3020-3029 | | 3030-3039 | | 3040-3049 | | 3050-3059 | | 3060-3069 | | 3070-3079 | | 3080-3089 | | 3090-3099 | | 3100-3109 | | 3110-3119 | | 3120-3129 | | 3130-3139 | | 3140-3149 | | 3150-3159 | | 3160-3169 | | 3170-3179 | | 3180-3189 | | 3190-3199 | | 3200-3209 | | 3210-3219 | | 3220-3229 | | 3230-3239 | | 3240-3249 | | 3250-3259 | | 3260-3269 | | 3270-3279 | | 3280-3289 | | 3290-3299 | | 3300-3309 | | 3310-3319 | | 3320-3329 | | 3330-3339 | | 3340-3349 | | 3350-3359 | | 3360-3369 | | 3370-3379 | | 3380-3389 | | 3390-3399 | | 3400-3409 | | 3410-3419 | | 3420-3429 | | 3430-3439 | | 3440-3449 | | 3450-3459 | | 3460-3469 | | 3470-3479 | | 3480-3489 | | 3490-3499 | | 3500-3509 | | 3510-3519 | | 3520-3529 | | 3530-3539 | | 3540-3549 | | 3550-3559 | | 3560-3569 | | 3570-3579 | | 3580-3589 | | 3590-3599 | | 3600-3609 | | 3610-3619 | | 3620-3629 | | 3630-3639 | | 3640-3649 | | 3650-3659 | | 3660-3669 | | 3670-3679 | | 3680-3689 | | 3690-3699 | | 3700-3709 | | 3710-3719 | | 3720-3729 | | 3730-3739 | | 3740-3749 | | 3750-3759 | | 3760-3769 | | 3770-3779 | | 3780-3789 | | 3790-3799 | | 3800-3809 | | 3810-3819 | | 3820-3829 | | 3830-3839 | | 3840-3849 | | 3850-3859 | | 3860-3869 | | 3870-3879 | | 3880-3889 | | 3890-3899 | | 3900-3909 | | 3910-3919 | | 3920-3929 | | 3930-3939 | | 3940-3949 | | 3950-3959 | | 3960-3969 | | 3970-3979 | | 3980-3989 | | 3990-3999 | | 4000-4009 | | 4010-4019 | | 4020-4029 | | 4030-4039 | | 4040-4049 | | 4050-4059 | | 4060-4069 | | 4070-4079 | | 4080-4089 | | 4090-4099 | | 4100-4109 | | 4110-4119 | | 4120-4129 | | 4130-4139 | | 4140-4149 | | 4150-4159 | | 4160-4169 | | 4170-4179 | | 4180-4189 | | 4190-4199 | | 4200-4209 | | 4210-4219 | | 4220-4229 | | 4230-4239 | | 4240-4249 | | 4250-4259 | | 4260-4269 | | 4270-4279 | | 4280-4289 | | 4290-4299 | | 4300-4309 | | 4310-4319 | | 4320-4329 | | 4330-4339 | | 4340-4349 | | 4350-4359 | | 4360-4369 | | 4370-4379 | | 4380-4389 | | 4390-4399 | | 4400-4409 | | 4410-4419 | | 4420-4429 | | 4430-4439 | | 4440-4449 | | 4450-4459 | | 4460-4469 | | 4470-4479 | | 4480-4489 | | 4490-4499 | | 4500-4509 | | 4510-4519 | | 4520-4529 | | 4530-4539 | | 4540-4549 | | 4550-4559 | | 4560-4569 | | 4570-4579 | | 4580-4589 | | 4590-4599 | | 4600-4609 | | 4610-4619 | | 4620-4629 | | 4630-4639 | | 4640-4649 | | 4650-4659 | | 4660-4669 | | 4670-4679 | | 4680-4689 | | 4690-4699 | | 4700-4709 | | 4710-4719 | | 4720-4729 | | 4730-4739 | | 4740-4749 | | 4750-4759 | | 4760-4769 | | 4770-4779 | | 4780-4789 | | 4790-4799 | | 4800-4809 | | 4810-4819 | | 4820-4829 | | 4830-4839 | | 4840-4849 | | 4850-4859 | | 4860-4869 | | 4870-4879 | | 4880-4889 | | 4890-4899 | | 4900-4909 | | 4910-4919 | | 4920-4929 | | 4930-4939 | | 4940-4949 | | 4950-4959 | | 4960-4969 | | 4970-4979 | | 4980-4989 | | 4990-4999 | | 5000-5009 | | 5010-5019 | | 5020-5029 | | 5030-5039 | | 5040-5049 | | 5050-5059 | | 5060-5069 | | 5070-5079 | | 5080-5089 | | 5090-5099 | | 5100-5109 | | 5110-5119 | | 5120-5129 | | 5130-5139 | | 5140-5149 | | 5150-5159 | | 5160-5169 | | 5170-5179 | | 5180-5189 | | 5190-5199 | | 5200-5209 | | 5210-5219 | | 5220-5229 | | 5230-5239 | | 5240-5249 | | 5250-5259 | | 5260-5269 | | 5270-5279 | | 5280-5289 | | 5290-5299 | | 5300-5309 | | 5310-5319 | | 5320-5329 | | 5330-5339 | | 5340-5349 | | 5350-5359 | | 5360-5369 | | 5370-5379 | | 5380-5389 | | 5390-5399 | | 5400-5409 | | 5410-5419 | | 5420-5429 | | 5430-5439 | | 5440-5449 | | 5450-5459 | | 5460-5469 | | 5470-5479 | | 5480-5489 | | 5490-5499 | | 5500-5509 | | 5510-5519 | | 5520-5529 | | 5530-5539 | | 5540-5549 | | 5550-5559 | | 5560-5569 | | 5570-5579 | | 5580-5589 | | 5590-5599 | | 5600-5609 | | 5610-5619 | | 5620-5629 | | 5630-5639 | | 5640-5649 | | 5650-5659 | | 5660-5669 | | 5670-5679 | | 5680-5689 | | 5690-5699 | | 5700-5709 | | 5710-5719 | | 5720-5729 | | 5730-5739 | | 5740-5749 | | 5750-5759 | | 5760-5769 | | 5770-5779 | | 5780-5789 | | 5790-5799 | | 5800-5809 | | 5810-5819 | | 5820-5829 | | 5830-5839 | | 5840-5849 | | 5850-5859 | | 5860-5869 | | 5870-5879 | | 5880-5889 | | 5890-5899 | | 5900-5909 | | 5910-5919 | | 5920-5929 | | 5930-5939 | | 5940-5949 | | 5950-5959 | | 5960-5969 | | 5970-5979 | | 5980-5989 | | 5990-5999 | | 6000-6009 | | 6010-6019 | | 6020-6029 | | 6030-6039 | | 6040-6049 | | 6050-6059 | | 6060-6069 | | 6070-6079 | | 6080-6089 | | 6090-6099 | | 6100-6109 | | 6110-6119 | | 6120-6129 | | 6130-6139 | | 6140-6149 | | 6150-6159 | | 6160-6169 | | 6170-6179 | | 6180-6189 | | 6190-6199 | | 6200-6209 | | 6210-6219 | | 6220-6229 | | 6230-6239 | | 6240-6249 | | 6250-6259 | | 6260-6269 | | 6270-6279 | | 6280-6289 | | 6290-6299 | | 6300-6309 | | 6310-6319 | | 6320-6329 | | 6330-6339 | | 6340-6349 | | 6350-6359 | | 6360-6369 | | 6370-6379 | | 6380-6389 | | 6390-6399 | | 6400-6409 | | 6410-6419 | | 6420-6429 | | 6430-6439 | | 6440-6449 | | 6450-6459 | | 6460-6469 | | 6470-6479 | | 6480-6489 | | 6490-6499 | | 6500-6509 | | 6510-6519 | | 6520-6529 | | 6530-6539 | | 6540-6549 | | 6550-6559 | | 6560-6569 | | 6570-6579 | | 6580-6589 | | 6590-6599 | | 6600-6609 | | 6610-6619 | | 6620-6629 | | 6630-6639 | | 6640-6649 | | 6650-6659 | | 6660-6669 | | 6670-6679 | | 6680-6689 | | 6690-6699 | | 6700-6709 | | 6710-6719 | | 6720-6729 | | 6730-6739 | | 6740-6749 | | 6750-6759 | | 6760-6769 | | 6770-6779 | | 6780-6789 | | 6790-6799 | | 6800-6809 | | 6810-6819 | | 6820-6829 | | 6830-6839 | | 6840-6849 | | 6850-6859 | | 6860-6869 | | 6870-6879 | | 6880-6889 | | 6890-6899 | | 6900-6909 | | 6910-6919 | | 6920-6929 | | 6930-6939 | | 6940-6949 | | 6950-6959 | | 6960-6969 | | 6970-6979 | | 6980-6989 | | 6990-6999 | | 7000-7009 | | 7010-7019 | | 7020-7029 | | 7030-7039 | | 7040-7049 | | 7050-7059 | | 7060-7069 | | 7070-7079 | | 7080-7089 | | 7090-7099 | | 7100-7109 | | 7110-7119 | | 7120-7129 | | 7130-7139 | | 7140-7149 | | 7150-7159 | | 7160-7169 | | 7170-7179 | | 7180-7189 | | 7190-7199 | | 7200-7209 | | 7210-7219 | | 7220-7229 | | 7230-7239 | | 7240-7249 | | 7250-7259 | | 7260-7269 | | 7270-7279 | | 7280-7289 | | 7290-7299 | | 7300-7309 | | 7310-7319 | | 7320-7329 | | 7330-7339 | | 7340-7349 | | 7350-7359 | | 7360-7369 | | 7370-7379 | | 7380-7389 | | 7390-7399 | | 7400-74 | |
|-----------|-----|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-----------|--|---------|--|
|-----------|-----|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-----------|--|---------|--|

LIMFICK GENERATING STATION
 WEATHER STATION NO. 2
 LAPSE RATE WIND DISTRIBUTION
 1960
 LOCATION 199FT

| SPEEDS (MI/HR) | 1-3 | | 4-7 | | 8-12 | | 13-18 | | 19-24 | | 25 PLUS | | LAPSE RATE
GT. 9.0 CLASS G | |
|----------------|-----|---------|-----|---------|------|---------|-------|---------|-------|---------|---------|---------|-------------------------------|---------|
| | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT |
| 22.5 | 14 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 2 |
| 45.0 | 10 | 1 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 2 |
| 67.5 | 12 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 2 |
| 90.0 | 10 | 1 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 2 |
| 112.5 | 33 | 6 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 56 | 4 |
| 135.0 | 43 | 8 | 20 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 82 | 1 |
| 157.5 | 27 | 5 | 24 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 53 | 1 |
| 180.0 | 45 | 8 | 26 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66 | 0 |
| 202.5 | 24 | 4 | 14 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 54 | 0 |
| 225.0 | 34 | 6 | 17 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 54 | 0 |
| 247.5 | 24 | 4 | 17 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43 | 0 |
| 270.0 | 67 | 12 | 19 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 89 | 4 |
| 292.5 | 61 | 11 | 48 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 115 | 1 |
| 315.0 | 80 | 15 | 64 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 107 | 1 |
| 337.5 | 32 | 6 | 29 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 63 | 0 |
| 360.0 | 20 | 3 | 15 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 | 0 |
| | 538 | 7.2 | 338 | 4.3 | 30 | 0.4 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 917 | 11.9 |

AN WIND SPEED 2.4
 LM WINDS 145
 PCNT CAL 2.0
 SSING 20

LIMERICK GENERATING STATION
 WEATHER STATION NO. 2
 LAKE RATE WIND DISTRIBUTION

1980
 LOCATION 15877

SPEEDS (MI/HR)

| SECTION | 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | 25 PLUS | LAPSE RATE
(155-2657) | ALL INSTABILITIES |
|---------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------------|-------------------|
| | SUM PERCENT | SUM PERCENT | SUM PERCENT | SUM PERCENT | SUM PERCENT | SUM PERCENT | | |
| 22.5 | 64 | 87 | 52 | 1 | 0 | 0 | 204 | 2.7 |
| 45.0 | 42 | 64 | 11 | 1 | 0 | 0 | 122 | 1.4 |
| 67.5 | 54 | 54 | 4 | 1 | 0 | 0 | 124 | 1.4 |
| 90.0 | 74 | 142 | 49 | 7 | 0 | 0 | 296 | 3.4 |
| 112.5 | 124 | 147 | 20 | 2 | 0 | 0 | 301 | 3.4 |
| 135.0 | 144 | 122 | 74 | 17 | 0 | 0 | 334 | 3.9 |
| 157.5 | 120 | 191 | 104 | 33 | 1 | 0 | 425 | 4.9 |
| 180.0 | 107 | 147 | 104 | 33 | 1 | 0 | 398 | 4.6 |
| 202.5 | 74 | 144 | 94 | 33 | 0 | 0 | 373 | 4.4 |
| 225.0 | 64 | 119 | 85 | 22 | 0 | 0 | 303 | 3.6 |
| 247.5 | 48 | 119 | 65 | 12 | 0 | 0 | 333 | 3.9 |
| 270.0 | 164 | 204 | 143 | 54 | 1 | 0 | 574 | 6.7 |
| 292.5 | 162 | 204 | 240 | 150 | 2 | 0 | 914 | 10.6 |
| 315.0 | 215 | 240 | 375 | 190 | 5 | 0 | 1042 | 12.2 |
| 337.5 | 134 | 144 | 240 | 140 | 1 | 0 | 664 | 7.8 |
| 360.0 | 94 | 134 | 120 | 37 | 1 | 0 | 392 | 4.6 |
| | | | | | | | | 5.1 |

7257

7257

43

230

3.0

17.4

967

23.2

1743

32.2

2474

22.9

1760

94.3

MISSING HOURS 1091

MIN WIND SPEED 7.1

ITAL NUMBER OF CALM WINDS 434 PERCENT 5.7

LIMPHICK GENERATING STATION
 WEATHER STATION NO. 2
 LAPSE RATE WIND DISTRIBUTION
 1980
 LOCATION 308FT

| SECTION | 1-7 | | 8-7 | | 8-12 | | 13-14 | | 19-24 | | 25 PLUS | | LAPSE RATE
(195-248FT) | | LAPSE RATE
(19-1.0 CLASS 4) | |
|---------|-----|---------|-----|---------|------|---------|-------|---------|-------|---------|---------|---------|---------------------------|---------|--------------------------------|---------|
| | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT |
| 22.5 | 1 | 0 | 3 | 1 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 2 | 0 |
| 45.0 | 5 | 1 | 3 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 2 | 0 |
| 67.5 | 2 | 0 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 0 | 2 | 0 |
| 90.0 | 3 | 1 | 4 | 1 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 21 | 0 | 2 | 0 |
| 112.5 | 6 | 1 | 8 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 2 | 0 |
| 135.0 | 5 | 1 | 9 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 3 | 0 |
| 157.5 | 7 | 1 | 13 | 1 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 32 | 0 | 4 | 0 |
| 180.0 | 0 | 0 | 4 | 1 | 8 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 24 | 0 | 5 | 0 |
| 202.5 | 0 | 0 | 7 | 1 | 7 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 26 | 0 | 5 | 0 |
| 225.0 | 1 | 0 | 8 | 1 | 17 | 3 | 0 | 0 | 2 | 0 | 0 | 0 | 37 | 0 | 8 | 0 |
| 247.5 | 1 | 0 | 8 | 1 | 20 | 3 | 1 | 0 | 3 | 0 | 0 | 0 | 35 | 0 | 8 | 0 |
| 270.0 | 5 | 1 | 12 | 1 | 48 | 8 | 18 | 0 | 6 | 0 | 1 | 0 | 40 | 0 | 10 | 0 |
| 292.5 | 5 | 1 | 14 | 1 | 24 | 8 | 24 | 0 | 2 | 0 | 1 | 0 | 67 | 0 | 11 | 0 |
| 315.0 | 0 | 0 | 10 | 1 | 24 | 8 | 20 | 0 | 9 | 0 | 1 | 0 | 75 | 0 | 11 | 0 |
| 337.5 | 1 | 0 | 10 | 1 | 15 | 8 | 17 | 0 | 5 | 0 | 0 | 0 | 88 | 0 | 16 | 0 |
| 360.0 | 5 | 1 | 12 | 1 | 28 | 5 | 7 | 0 | 0 | 0 | 0 | 0 | 42 | 0 | 20 | 0 |
| | 48 | 8 | 140 | 2.0 | 216 | 3.7 | 137 | 2.4 | 38 | 0.7 | 6 | 0.1 | 545 | 9.9 | | |

WIND SPEED 9.8
 WIND DIRECTION 20
 WIND CALM 3
 WIND GUST 300

LIMERICK GENERATING STATION
WEATHER STATION NO. 2
LAKE RATE WIND DISTRIBUTION
1980
LOCATION 308PT

| ECTION | 1-5 | | 6-7 | | 8-12 | | 13-18 | | 19-24 | | 25 PLUS | | LAKE RATE
-1.87 -1.7 CLAS B | |
|--------|-----|---------|-----|---------|------|---------|-------|---------|-------|---------|---------|---------|--------------------------------|---------|
| | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT |
| 22.5 | 0 | 0.0 | 1 | 0.0 | 3 | 1.1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 4 | 1.1 |
| 45.0 | 0 | 0.0 | 1 | 0.0 | 3 | 1.1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 4 | 1.1 |
| 67.5 | 0 | 0.0 | 1 | 0.0 | 3 | 1.1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 4 | 1.1 |
| 90.0 | 0 | 0.0 | 2 | 0.0 | 2 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0.0 |
| 112.5 | 0 | 0.0 | 2 | 0.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0.0 |
| 135.0 | 0 | 0.0 | 2 | 0.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 3 | 1.1 |
| 157.5 | 0 | 0.0 | 2 | 0.0 | 1 | 0.0 | 1 | 1.1 | 0 | 0.0 | 0 | 0.0 | 1 | 0.0 |
| 180.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0.0 | 1 | 1.1 | 0 | 0.0 | 0 | 0.0 | 1 | 0.0 |
| 202.5 | 0 | 0.0 | 0 | 0.0 | 1 | 0.0 | 1 | 1.1 | 0 | 0.0 | 0 | 0.0 | 3 | 1.1 |
| 225.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 0.0 |
| 247.5 | 0 | 0.0 | 1 | 0.0 | 2 | 0.0 | 1 | 1.1 | 0 | 0.0 | 0 | 0.0 | 1 | 0.0 |
| 270.0 | 0 | 0.0 | 2 | 0.0 | 2 | 0.0 | 1 | 1.1 | 0 | 0.0 | 0 | 0.0 | 1 | 0.0 |
| 292.5 | 0 | 0.0 | 2 | 0.0 | 2 | 0.0 | 1 | 1.1 | 0 | 0.0 | 0 | 0.0 | 1 | 0.0 |
| 315.0 | 0 | 0.0 | 2 | 0.0 | 1 | 0.0 | 1 | 1.1 | 0 | 0.0 | 0 | 0.0 | 1 | 0.0 |
| 337.5 | 0 | 0.0 | 2 | 0.0 | 1 | 0.0 | 1 | 1.1 | 0 | 0.0 | 0 | 0.0 | 1 | 0.0 |
| 360.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0.0 | 1 | 1.1 | 0 | 0.0 | 0 | 0.0 | 2 | 0.0 |
| | 4 | 1.1 | 20 | 0.0 | 38 | 0.0 | 27 | 0.0 | 9 | 0.0 | 2 | 0.0 | 94 | 1.7 |

WIND SPEED 11.3
4 HOURS 0
FEAT CALM 0.0
3ING 22

LIMERIC GENERATING STATION
 WEATHER STATION NO. 2
 LAPSE RATE WIND DISTRIBUTION
 1940
 LOCATION 308PT

DES C/100M
 (155-24FT)
 LAPSE RATE
 -1.6/ -1.5 CLAS C

| SECTION | 1-3 | | 4-7 | | 8-12 | | 13-18 | | 19-28 | | 25 PLUS | | SUM PERCENT | |
|---------|-----|---------|-----|---------|------|---------|-------|---------|-------|---------|---------|---------|-------------|-----|
| | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | | |
| 22.5 | 0 | 0.0 | 2 | 0.0 | 1 | 0.0 | 2 | 0.0 | 0 | 0.0 | 0 | 0.0 | 7 | 0.1 |
| 45.0 | 0 | 0.0 | 2 | 0.0 | 1 | 0.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 7 | 0.1 |
| 67.5 | 0 | 0.0 | 3 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 0 | 0.0 | 10 | 0.2 |
| 90.0 | 2 | 0.0 | 4 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 0 | 0.0 | 20 | 0.4 |
| 112.5 | 2 | 0.0 | 2 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 7 | 0.1 |
| 135.0 | 1 | 0.0 | 2 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 5 | 0.1 |
| 157.5 | 3 | 0.0 | 1 | 0.0 | 0 | 0.0 | 1 | 0.0 | 1 | 0.0 | 0 | 0.0 | 15 | 0.3 |
| 180.0 | 1 | 0.0 | 3 | 0.0 | 1 | 0.0 | 1 | 0.0 | 1 | 0.0 | 0 | 0.0 | 14 | 0.3 |
| 202.5 | 0 | 0.0 | 3 | 0.0 | 1 | 0.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 11 | 0.2 |
| 225.0 | 0 | 0.0 | 2 | 0.0 | 1 | 0.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 8 | 0.2 |
| 247.5 | 2 | 0.0 | 0 | 0.0 | 1 | 0.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 9 | 0.2 |
| 270.0 | 1 | 0.0 | 1 | 0.0 | 3 | 0.0 | 1 | 0.0 | 0 | 0.0 | 1 | 0.0 | 24 | 0.5 |
| 292.5 | 2 | 0.0 | 4 | 0.0 | 3 | 0.0 | 2 | 0.0 | 1 | 0.0 | 2 | 0.0 | 47 | 1.0 |
| 315.0 | 2 | 0.0 | 4 | 0.0 | 3 | 0.0 | 14 | 0.3 | 4 | 0.0 | 5 | 0.1 | 69 | 1.5 |
| 337.5 | 1 | 0.0 | 3 | 0.0 | 1 | 0.0 | 23 | 0.5 | 14 | 0.3 | 4 | 0.0 | 16 | 0.3 |
| 360.0 | 1 | 0.0 | 7 | 0.0 | 2 | 0.0 | 5 | 0.0 | 1 | 0.0 | 0 | 0.0 | 25 | 0.5 |

14 0.3 50 1.0 108 1.8 72 1.5 37 0.8 304 4.1

N WIND SPEED 11.3
 N HOURS 9
 CNT CALM 2
 SING 40

LINCOLN GENERATING STATION
 WEATHER STATION NO. 2
 LARGE WATP WIND DISTRIBUTION
 1960
 LOCATION 3087

DES C/100M
 (155-287)
 LARSE RATE
 -1.4/ -0.5 CLASS 0

| ECTION | 1-3 | | 4-7 | | 8-12 | | 13-18 | | 19-24 | | 25 PLUS | | SUM PERCENT | |
|--------|-----|---------|-----|---------|------|---------|-------|---------|-------|---------|---------|---------|-------------|---------|
| | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT |
| 22.5 | 9 | 2 | 22 | 4 | 25 | 4 | 5 | 1 | 0 | 0 | 0 | 0 | 61 | 1.0 |
| 45.0 | 11 | 2 | 34 | 6 | 20 | 3 | 4 | 1 | 0 | 0 | 0 | 0 | 73 | 1.2 |
| 67.5 | 13 | 2 | 24 | 4 | 19 | 3 | 7 | 1 | 0 | 0 | 0 | 0 | 68 | 1.2 |
| 90.0 | 14 | 3 | 48 | 9 | 34 | 6 | 39 | 7 | 4 | 1 | 0 | 0 | 166 | 2.8 |
| 112.5 | 11 | 2 | 24 | 4 | 25 | 4 | 5 | 1 | 1 | 0 | 0 | 0 | 66 | 1.1 |
| 135.0 | 11 | 2 | 34 | 6 | 22 | 4 | 12 | 2 | 5 | 1 | 0 | 0 | 59 | 1.0 |
| 157.5 | 14 | 2 | 34 | 6 | 17 | 3 | 17 | 3 | 1 | 0 | 0 | 0 | 90 | 1.5 |
| 180.0 | 14 | 2 | 34 | 6 | 28 | 5 | 11 | 2 | 3 | 1 | 0 | 0 | 65 | 1.1 |
| 202.5 | 8 | 1 | 23 | 4 | 23 | 4 | 16 | 3 | 0 | 0 | 0 | 0 | 61 | 1.0 |
| 225.0 | 6 | 1 | 10 | 2 | 16 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 34 | .6 |
| 247.5 | 4 | 1 | 12 | 2 | 18 | 3 | 9 | 2 | 1 | 0 | 0 | 0 | 52 | .9 |
| 270.0 | 10 | 2 | 23 | 4 | 32 | 6 | 21 | 4 | 16 | 3 | 1 | 2 | 112 | 1.9 |
| 292.5 | 14 | 2 | 27 | 5 | 55 | 10 | 62 | 11 | 41 | 7 | 3 | 7 | 234 | 4.0 |
| 315.0 | 14 | 2 | 29 | 5 | 63 | 11 | 127 | 21 | 74 | 13 | 7 | 12 | 382 | 6.5 |
| 337.5 | 8 | 1 | 24 | 4 | 22 | 4 | 39 | 7 | 23 | 4 | 6 | 1 | 106 | 1.8 |
| 360.0 | 14 | 2 | 21 | 4 | 43 | 8 | 34 | 6 | 2 | 0 | 0 | 0 | 119 | 2.0 |
| | 180 | 3.1 | 380 | 6.8 | 680 | 11.1 | 415 | 7.0 | 194 | 3.3 | 130 | 2.2 | 1779 | 30.1 |

IN WIND SPEED 11.8
 .M HOURS 37
 PERCENT CALM .6
 181NG 472

LTMERICK GENERATING STATION
 WEATHER STATION NO. 2
 LAPSE RATE WIND DISTRIBUTION
 1960
 LOCATION 104FT

| SECTION | 1-3 | | 4-7 | | 8-12 | | 13-14 | | 15-24 | | 25 PLUS | | LAPSE RATE
-0.4/ 1.5 CLASS E | |
|---------|-----|---------|-----|---------|------|---------|-------|---------|-------|---------|---------|---------|---------------------------------|---------|
| | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT |
| 22.5 | 5 | .1 | 10 | .2 | 14 | .3 | 7 | .1 | 0 | 0.0 | 0 | 0.0 | 60 | .7 |
| 45.0 | 9 | .1 | 14 | .3 | 11 | .2 | 0 | 0.0 | 1 | 0.0 | 0 | 0.0 | 34 | .4 |
| 67.5 | 9 | .1 | 18 | .4 | 7 | .1 | 5 | .1 | 0 | 0.0 | 0 | 0.0 | 30 | .3 |
| 90.0 | 4 | .1 | 22 | .5 | 28 | .6 | 4 | .1 | 0 | 0.0 | 0 | 0.0 | 66 | .8 |
| 112.5 | 9 | .2 | 21 | .5 | 12 | .3 | 2 | .0 | 0 | 0.0 | 0 | 0.0 | 44 | .5 |
| 135.0 | 4 | .1 | 27 | .6 | 27 | .6 | 10 | .2 | 7 | .1 | 0 | 0.0 | 78 | .9 |
| 157.5 | 9 | .2 | 24 | .6 | 37 | .8 | 14 | .3 | 4 | .1 | 1 | .0 | 91 | 1.1 |
| 180.0 | 9 | .2 | 26 | .7 | 36 | .8 | 14 | .3 | 13 | .2 | 2 | .0 | 102 | 1.2 |
| 202.5 | 7 | .1 | 21 | .5 | 24 | .5 | 21 | .5 | 3 | .0 | 1 | .0 | 77 | .9 |
| 225.0 | 9 | .2 | 24 | .6 | 15 | .3 | 11 | .2 | 3 | .1 | 0 | 0.0 | 64 | .8 |
| 247.5 | 3 | .1 | 15 | .3 | 10 | .2 | 4 | .1 | 6 | .1 | 3 | .1 | 49 | .6 |
| 270.0 | 4 | .1 | 24 | .6 | 23 | .5 | 24 | .6 | 5 | .1 | 4 | .1 | 97 | 1.2 |
| 292.5 | 4 | .1 | 54 | 1.2 | 123 | 2.7 | 84 | 1.8 | 34 | .7 | 9 | .2 | 314 | 3.8 |
| 315.0 | 15 | .3 | 44 | .9 | 104 | 2.3 | 167 | 3.6 | 30 | .6 | 4 | .1 | 343 | 4.2 |
| 337.5 | 12 | .2 | 27 | .6 | 51 | 1.1 | 44 | .9 | 6 | .1 | 0 | 0.0 | 142 | 1.7 |
| 360.0 | 6 | .1 | 32 | .7 | 37 | .8 | 30 | .6 | 1 | .0 | 0 | 0.0 | 104 | 1.3 |
| | 124 | 2.1 | 401 | 8.8 | 473 | 9.7 | 451 | 9.4 | 121 | 2.0 | 24 | .5 | 1498 | 18.7 |

AN WIND SPEED 10.6
 LM HOURS 41
 RECENT CALM .7
 MISSING 489

LI-FRICK GENERATING STATION
 WEATHER STATION NO. 2
 LARGE WIND DISTRIBUTION

| DIRECTION | 1-3 | | 4-7 | | 8-12 | | 13-18 | | 19-24 | | 25 PLUS | | LAPSE RATE
67, 4.0 CLASS 5 | |
|-----------|-----|---------|-----|---------|------|---------|-------|---------|-------|---------|---------|---------|-------------------------------|---------|
| | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT |
| 22.5 | 2 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 2 |
| 45.0 | 7 | 1 | 8 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 19 | 3 |
| 67.5 | 3 | 1 | 20 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 28 | 4 |
| 90.0 | 4 | 1 | 16 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 3 |
| 112.5 | 1 | 0 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 2 |
| 135.0 | 4 | 1 | 17 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 3 |
| 157.5 | 1 | 0 | 17 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37 | 5 |
| 180.0 | 20 | 3 | 28 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 58 | 8 |
| 202.5 | 10 | 2 | 28 | 4 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 6 |
| 225.0 | 18 | 2 | 27 | 4 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 64 | 8 |
| 247.5 | 14 | 2 | 28 | 4 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 74 | 9 |
| 270.0 | 14 | 2 | 48 | 7 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 74 | 9 |
| 292.5 | 11 | 2 | 57 | 8 | 5 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 125 | 16 |
| 315.0 | 10 | 2 | 42 | 6 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 91 | 11 |
| 337.5 | 14 | 2 | 17 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 45 | 5 |
| 360.0 | 4 | 1 | 18 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 51 | 6 |
| | 147 | 2.5 | 168 | 4.2 | 211 | 3.6 | 19 | .3 | 0 | 0.0 | 0 | 0.0 | 741 | 12.4 |

24 H WIND SPEED 5.6
 ALM HOURS 37
 PRESENT CALM 3.6
 INSING 3.0

LITHEWICK GENERATING STATION
 WEATHER STATION NO. 2
 LAPSE RATE WIND DISTRIBUTION
 1980
 LOCATION 308FT

DES C/100M
 (155-26FT)
 LAPSE RATE
 ALL STATIONS

| TWOCTION | SPEEDS (KT/HR) | | | | 19-24 | | | | 25 PLUS | | | |
|----------|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | SUM PERCENT | SUM PERCENT | SUM PERCENT | SUM PERCENT | SUM PERCENT | SUM PERCENT | SUM PERCENT | SUM PERCENT | SUM PERCENT | SUM PERCENT | SUM PERCENT | SUM PERCENT |
| 22.5 | 17 | 3 | 43 | 1.1 | 15 | 3 | 0 | 0.0 | 0 | 0.0 | 143 | 2.4 |
| 45.0 | 30 | 4 | 50 | 1.2 | 14 | 1 | 1 | 0.0 | 0 | 0.0 | 143 | 2.4 |
| 67.5 | 23 | 4 | 34 | 1.3 | 14 | 2 | 3 | 0.0 | 0 | 0.0 | 194 | 2.6 |
| 90.0 | 42 | 7 | 111 | 1.9 | 53 | 4 | 5 | 1.1 | 0 | 0.0 | 308 | 4.2 |
| 112.5 | 34 | 4 | 116 | 1.1 | 45 | 1 | 1 | 0.0 | 0 | 0.0 | 153 | 2.4 |
| 135.0 | 44 | 4 | 91 | 1.4 | 22 | 1 | 12 | 2.6 | 1 | 0.0 | 231 | 3.0 |
| 157.5 | 49 | 4 | 105 | 1.8 | 74 | 1 | 22 | 4.9 | 2 | 0.0 | 297 | 3.9 |
| 180.0 | 41 | 7 | 90 | 1.5 | 46 | 4 | 21 | 4.6 | 2 | 0.0 | 244 | 3.2 |
| 202.5 | 23 | 4 | 61 | 1.3 | 53 | 5 | 14 | 3.1 | 1 | 0.0 | 222 | 2.9 |
| 225.0 | 40 | 7 | 87 | 1.9 | 29 | 5 | 9 | 2.0 | 0 | 0.0 | 233 | 3.1 |
| 247.5 | 34 | 6 | 72 | 1.2 | 42 | 7 | 22 | 4.8 | 4 | 1.1 | 277 | 3.6 |
| 270.0 | 52 | 6 | 137 | 2.4 | 69 | 14 | 24 | 5.4 | 21 | 4.4 | 411 | 5.4 |
| 292.5 | 52 | 6 | 203 | 3.4 | 184 | 14 | 84 | 1.3 | 51 | 0.0 | 908 | 12.4 |
| 315.0 | 59 | 10 | 161 | 2.7 | 364 | 42 | 134 | 2.3 | 81 | 1.4 | 1091 | 14.3 |
| 337.5 | 42 | 7 | 122 | 2.1 | 111 | 14 | 37 | 0.6 | 4 | 0.1 | 345 | 4.5 |
| 360.0 | 37 | 6 | 134 | 2.3 | 80 | 14 | 4 | 0.1 | 0 | 0.0 | 356 | 4.6 |

| | | | | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|
| 624 | 10.6 | 1471 | 26.4 | 1795 | 30.4 | 1164 | 19.7 | 405 | 6.6 | 173 | 2.8 | 5732 | 97.0 |
|-----|------|------|------|------|------|------|------|-----|-----|-----|-----|------|------|

MAX WIND SPEED 4.9

TOTAL NUMBER OF CALM WINDS 177 PERCENT 4.0

MISSING HOURS 2875

SECTION V

LIPBRICK GENERATING STATION
 WEATHER STATION NO. 1
 LAPSE RATE WIND DISTRIBUTION
 1980
 LOCATION SAY.

| SECTION | 1-5 | | 6-7 | | 8-12 | | 13-14 | | 19-20 | | 25 PLUS | | LAPSE RATE
LP-1.0 CLASS A | |
|---------|-----|---------|-----|---------|------|---------|-------|---------|-------|---------|---------|---------|------------------------------|---------|
| | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT |
| 22.5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 45.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 67.5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 90.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 112.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 135.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 157.5 | 2 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 180.0 | 12 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 |
| 202.5 | 2 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 225.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 247.5 | 3 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| 270.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 292.5 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 |
| 315.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 |
| 337.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 0 |
| 360.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 |
| | 52 | 1.1 | 48 | 1.0 | 40 | 1.1 | 18 | .5 | 0 | 0.0 | 0 | 0.0 | 202 | 0.0 |

WIND SPEED 6.3
 WIND DIRECTION 1
 WIND CALM 0
 WIND SING 307

LINNETT GENERATING STATION
 WEATHER STATION NO. 1
 LAPSE RATE WIND DISTRIBUTION
 1960
 LOCATION DAY.

| SECTION | 1-5 | | 6-7 | | 8-12 | | 13-18 | | 19-24 | | 25 PLUS | | LAPSE RATE | | CLASS B | |
|---------|-----|---------|-----|---------|------|---------|-------|---------|-------|---------|---------|---------|------------|---------|---------|---------|
| | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT |
| 22.5 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 45.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 67.5 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 90.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 112.5 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 135.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 157.5 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 180.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 202.5 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 225.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 247.5 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 270.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 292.5 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 315.0 | 2 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 337.5 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 360.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| | 9 | 0.1 | 39 | 0.6 | 38 | 0.6 | 20 | 0.4 | 0 | 0.0 | 1 | 0.0 | 103 | 2.2 | | |

4 WIND SPEED 9.1
 5 ADURS 1
 6 AT CALM 0.0
 7 RING 268

DER C/100M
(246-24FT)
LARGE RAYE
-1.6/-1.5 CLASS C

[illegible]

| TIME | SPEED | WAVE |
|------|-------|------|
| 1000 | 0.0 | 0.0 |
| 1005 | 0.0 | 0.0 |
| 1010 | 0.0 | 0.0 |
| 1015 | 0.0 | 0.0 |
| 1020 | 0.0 | 0.0 |
| 1025 | 0.0 | 0.0 |
| 1030 | 0.0 | 0.0 |
| 1035 | 0.0 | 0.0 |
| 1040 | 0.0 | 0.0 |
| 1045 | 0.0 | 0.0 |
| 1050 | 0.0 | 0.0 |
| 1055 | 0.0 | 0.0 |
| 1100 | 0.0 | 0.0 |
| 1105 | 0.0 | 0.0 |
| 1110 | 0.0 | 0.0 |
| 1115 | 0.0 | 0.0 |
| 1120 | 0.0 | 0.0 |
| 1125 | 0.0 | 0.0 |
| 1130 | 0.0 | 0.0 |
| 1135 | 0.0 | 0.0 |
| 1140 | 0.0 | 0.0 |
| 1145 | 0.0 | 0.0 |
| 1150 | 0.0 | 0.0 |
| 1155 | 0.0 | 0.0 |
| 1200 | 0.0 | 0.0 |
| 1205 | 0.0 | 0.0 |
| 1210 | 0.0 | 0.0 |
| 1215 | 0.0 | 0.0 |
| 1220 | 0.0 | 0.0 |
| 1225 | 0.0 | 0.0 |
| 1230 | 0.0 | 0.0 |
| 1235 | 0.0 | 0.0 |
| 1240 | 0.0 | 0.0 |
| 1245 | 0.0 | 0.0 |
| 1250 | 0.0 | 0.0 |
| 1255 | 0.0 | 0.0 |
| 1300 | 0.0 | 0.0 |
| 1305 | 0.0 | 0.0 |
| 1310 | 0.0 | 0.0 |
| 1315 | 0.0 | 0.0 |
| 1320 | 0.0 | 0.0 |
| 1325 | 0.0 | 0.0 |
| 1330 | 0.0 | 0.0 |
| 1335 | 0.0 | 0.0 |
| 1340 | 0.0 | 0.0 |
| 1345 | 0.0 | 0.0 |
| 1350 | 0.0 | 0.0 |
| 1355 | 0.0 | 0.0 |
| 1400 | 0.0 | 0.0 |
| 1405 | 0.0 | 0.0 |
| 1410 | 0.0 | 0.0 |
| 1415 | 0.0 | 0.0 |
| 1420 | 0.0 | 0.0 |
| 1425 | 0.0 | 0.0 |
| 1430 | 0.0 | 0.0 |
| 1435 | 0.0 | 0.0 |
| 1440 | 0.0 | 0.0 |
| 1445 | 0.0 | 0.0 |
| 1450 | 0.0 | 0.0 |
| 1455 | 0.0 | 0.0 |
| 1500 | 0.0 | 0.0 |
| 1505 | 0.0 | 0.0 |
| 1510 | 0.0 | 0.0 |
| 1515 | 0.0 | 0.0 |
| 1520 | 0.0 | 0.0 |
| 1525 | 0.0 | 0.0 |
| 1530 | 0.0 | 0.0 |
| 1535 | 0.0 | 0.0 |
| 1540 | 0.0 | 0.0 |
| 1545 | 0.0 | 0.0 |
| 1550 | 0.0 | 0.0 |
| 1555 | 0.0 | 0.0 |
| 1600 | 0.0 | 0.0 |
| 1605 | 0.0 | 0.0 |
| 1610 | 0.0 | 0.0 |
| 1615 | 0.0 | 0.0 |
| 1620 | 0.0 | 0.0 |
| 1625 | 0.0 | 0.0 |
| 1630 | 0.0 | 0.0 |
| 1635 | 0.0 | 0.0 |
| 1640 | 0.0 | 0.0 |
| 1645 | 0.0 | 0.0 |
| 1650 | 0.0 | 0.0 |
| 1655 | 0.0 | 0.0 |
| 1700 | 0.0 | 0.0 |
| 1705 | 0.0 | 0.0 |
| 1710 | 0.0 | 0.0 |
| 1715 | 0.0 | 0.0 |
| 1720 | 0.0 | 0.0 |
| 1725 | 0.0 | 0.0 |
| 1730 | 0.0 | 0.0 |
| 1735 | 0.0 | 0.0 |
| 1740 | 0.0 | 0.0 |
| 1745 | 0.0 | 0.0 |
| 1750 | 0.0 | 0.0 |
| 1755 | 0.0 | 0.0 |
| 1800 | 0.0 | 0.0 |
| 1805 | 0.0 | 0.0 |
| 1810 | 0.0 | 0.0 |
| 1815 | 0.0 | 0.0 |
| 1820 | 0.0 | 0.0 |
| 1825 | 0.0 | 0.0 |
| 1830 | 0.0 | 0.0 |
| 1835 | 0.0 | 0.0 |
| 1840 | 0.0 | 0.0 |
| 1845 | 0.0 | 0.0 |
| 1850 | 0.0 | 0.0 |
| 1855 | 0.0 | 0.0 |
| 1900 | 0.0 | 0.0 |
| 1905 | 0.0 | 0.0 |
| 1910 | 0.0 | 0.0 |
| 1915 | 0.0 | 0.0 |
| 1920 | 0.0 | 0.0 |
| 1925 | 0.0 | 0.0 |
| 1930 | 0.0 | 0.0 |
| 1935 | 0.0 | 0. |

DLG C/100M
(200-20FT)

[illegible]

INDICATED
ACROSS
FUT CALX
FAS

LITWICK GENERATING STATION
 WEATHER STATION NO. 1
 LAPSE RATE WIND DISTRIBUTION
 1940
 LOCATION SAT.

| CTON | 1-3 | | 4-7 | | 8-12 | | 13-14 | | 19-24 | | 25 PLUS | | LAPSE RATE
-0.07 1.5 CLASS R | |
|-------|-----|---------|-----|---------|------|---------|-------|---------|-------|---------|---------|---------|---------------------------------|---------|
| | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT |
| 22.5 | 4 | 2 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 3 |
| 45.0 | 8 | 1 | 4 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 2 |
| 67.5 | 12 | 3 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 4 |
| 90.0 | 51 | 11 | 7 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39 | 10 |
| 112.5 | 42 | 9 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 10 |
| 135.0 | 62 | 14 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47 | 10 |
| 157.5 | 97 | 21 | 16 | 4 | 11 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 121 | 32 |
| 180.0 | 41 | 9 | 14 | 3 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 58 | 15 |
| 202.5 | 14 | 3 | 10 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 7 |
| 225.0 | 12 | 3 | 7 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 5 |
| 247.5 | 26 | 6 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36 | 9 |
| 270.0 | 56 | 12 | 24 | 6 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 84 | 22 |
| 292.5 | 50 | 11 | 37 | 9 | 19 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 106 | 28 |
| 315.0 | 42 | 9 | 17 | 4 | 28 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 230 | 60 |
| 337.5 | 118 | 26 | 51 | 13 | 12 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 176 | 46 |
| 360.0 | 36 | 8 | 10 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51 | 13 |
| | 704 | 15.4 | 420 | 9.1 | 44 | 1.9 | 5 | .1 | 0 | 0.0 | 0 | 0.0 | 1126 | 29.0 |

WIND SPEED 2.7
 MOIDS 273
 FNT CAL 5.9
 TNG 1147

LYMERICK GENERATING STATION
WEATHER STATION NO. 1
LAPSE RATE WIND DISTRIBUTION
1980
LOCATION SAT.

| SPEED (MI/HR) | 1-3 | | 4-7 | | 8-12 | | 13-18 | | 19-24 | | 25 PLUS | | LAPSE RATE
1.0 / 8.0 CLASS | |
|---------------|-----|---------|-----|---------|------|---------|-------|---------|-------|---------|---------|---------|-------------------------------|---------|
| | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT |
| CTON | | | | | | | | | | | | | | |
| 22.5 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 45.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0.0 |
| 67.5 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0.0 |
| 90.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0.0 |
| 112.5 | 4 | 1.1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 4 | 1.1 |
| 135.0 | 10 | 2.6 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 11 | 2.7 |
| 157.5 | 18 | 4.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 38 | 9.3 |
| 180.0 | 13 | 3.4 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 13 | 3.3 |
| 202.5 | 4 | 1.1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 4 | 1.1 |
| 225.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0.0 |
| 247.5 | 4 | 1.1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 4 | 1.1 |
| 270.0 | 4 | 1.1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 4 | 1.1 |
| 292.5 | 4 | 1.1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 4 | 1.1 |
| 315.0 | 18 | 4.7 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 20 | 5.0 |
| 337.5 | 41 | 10.6 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 46 | 11.6 |
| 360.0 | 11 | 2.8 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 11 | 2.8 |
| | 161 | 4.5 | 9 | 2.3 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 171 | 4.7 |

4 WIND SPEED 7
4 HOURS 23
25.0
5.0
32.0

LITENICK GENERATING STATION
WEATHER STATION NO. 1
LAPSE RATE WIND DISTRIBUTION
1940
LOCATION SAT.

| SECTION | 1-9 | | 10-19 | | 20-29 | | 30-39 | | 40-49 | | 50-59 | | 60-69 | | 70-79 | | 80-89 | | 90-99 | | 100-109 | | 110-119 | | 120-129 | | 130-139 | | 140-149 | | 150-159 | | 160-169 | | 170-179 | | 180-189 | | 190-199 | | 200-209 | | 210-219 | | 220-229 | | 230-239 | | 240-249 | | 250-259 | | 260-269 | | 270-279 | | 280-289 | | 290-299 | | 300-309 | | 310-319 | | 320-329 | | 330-339 | | 340-349 | | 350-359 | | 360-369 | | 370-379 | | 380-389 | | 390-399 | | 400-409 | | 410-419 | | 420-429 | | 430-439 | | 440-449 | | 450-459 | | 460-469 | | 470-479 | | 480-489 | | 490-499 | | 500-509 | | 510-519 | | 520-529 | | 530-539 | | 540-549 | | 550-559 | | 560-569 | | 570-579 | | 580-589 | | 590-599 | | 600-609 | | 610-619 | | 620-629 | | 630-639 | | 640-649 | | 650-659 | | 660-669 | | 670-679 | | 680-689 | | 690-699 | | 700-709 | | 710-719 | | 720-729 | | 730-739 | | 740-749 | | 750-759 | | 760-769 | | 770-779 | | 780-789 | | 790-799 | | 800-809 | | 810-819 | | 820-829 | | 830-839 | | 840-849 | | 850-859 | | 860-869 | | 870-879 | | 880-889 | | 890-899 | | 900-909 | | 910-919 | | 920-929 | | 930-939 | | 940-949 | | 950-959 | | 960-969 | | 970-979 | | 980-989 | | 990-999 | | 1000-1009 | | 1010-1019 | | 1020-1029 | | 1030-1039 | | 1040-1049 | | 1050-1059 | | 1060-1069 | | 1070-1079 | | 1080-1089 | | 1090-1099 | | 1100-1109 | | 1110-1119 | | 1120-1129 | | 1130-1139 | | 1140-1149 | | 1150-1159 | | 1160-1169 | | 1170-1179 | | 1180-1189 | | 1190-1199 | | 1200-1209 | | 1210-1219 | | 1220-1229 | | 1230-1239 | | 1240-1249 | | 1250-1259 | | 1260-1269 | | 1270-1279 | | 1280-1289 | | 1290-1299 | | 1300-1309 | | 1310-1319 | | 1320-1329 | | 1330-1339 | | 1340-1349 | | 1350-1359 | | 1360-1369 | | 1370-1379 | | 1380-1389 | | 1390-1399 | | 1400-1409 | | 1410-1419 | | 1420-1429 | | 1430-1439 | | 1440-1449 | | 1450-1459 | | 1460-1469 | | 1470-1479 | | 1480-1489 | | 1490-1499 | | 1500-1509 | | 1510-1519 | | 1520-1529 | | 1530-1539 | | 1540-1549 | | 1550-1559 | | 1560-1569 | | 1570-1579 | | 1580-1589 | | 1590-1599 | | 1600-1609 | | 1610-1619 | | 1620-1629 | | 1630-1639 | | 1640-1649 | | 1650-1659 | | 1660-1669 | | 1670-1679 | | 1680-1689 | | 1690-1699 | | 1700-1709 | | 1710-1719 | | 1720-1729 | | 1730-1739 | | 1740-1749 | | 1750-1759 | | 1760-1769 | | 1770-1779 | | 1780-1789 | | 1790-1799 | | 1800-1809 | | 1810-1819 | | 1820-1829 | | 1830-1839 | | 1840-1849 | | 1850-1859 | | 1860-1869 | | 1870-1879 | | 1880-1889 | | 1890-1899 | | 1900-1909 | | 1910-1919 | | 1920-1929 | | 1930-1939 | | 1940-1949 | | 1950-1959 | | 1960-1969 | | 1970-1979 | | 1980-1989 | | 1990-1999 | | 2000-2009 | | 2010-2019 | | 2020-2029 | | 2030-2039 | | 2040-2049 | | 2050-2059 | | 2060-2069 | | 2070-2079 | | 2080-2089 | | 2090-2099 | | 2100-2109 | | 2110-2119 | | 2120-2129 | | 2130-2139 | | 2140-2149 | | 2150-2159 | | 2160-2169 | | 2170-2179 | | 2180-2189 | | 2190-2199 | | 2200-2209 | | 2210-2219 | | 2220-2229 | | 2230-2239 | | 2240-2249 | | 2250-2259 | | 2260-2269 | | 2270-2279 | | 2280-2289 | | 2290-2299 | | 2300-2309 | | 2310-2319 | | 2320-2329 | | 2330-2339 | | 2340-2349 | | 2350-2359 | | 2360-2369 | | 2370-2379 | | 2380-2389 | | 2390-2399 | | 2400-2409 | | 2410-2419 | | 2420-2429 | | 2430-2439 | | 2440-2449 | | 2450-2459 | | 2460-2469 | | 2470-2479 | | 2480-2489 | | 2490-2499 | | 2500-2509 | | 2510-2519 | | 2520-2529 | | 2530-2539 | | 2540-2549 | | 2550-2559 | | 2560-2569 | | 2570-2579 | | 2580-2589 | | 2590-2599 | | 2600-2609 | | 2610-2619 | | 2620-2629 | | 2630-2639 | | 2640-2649 | | 2650-2659 | | 2660-2669 | | 2670-2679 | | 2680-2689 | | 2690-2699 | | 2700-2709 | | 2710-2719 | | 2720-2729 | | 2730-2739 | | 2740-2749 | | 2750-2759 | | 2760-2769 | | 2770-2779 | | 2780-2789 | | 2790-2799 | | 2800-2809 | | 2810-2819 | | 2820-2829 | | 2830-2839 | | 2840-2849 | | 2850-2859 | | 2860-2869 | | 2870-2879 | | 2880-2889 | | 2890-2899 | | 2900-2909 | | 2910-2919 | | 2920-2929 | | 2930-2939 | | 2940-2949 | | 2950-2959 | | 2960-2969 | | 2970-2979 | | 2980-2989 | | 2990-2999 | | 3000-3009 | | 3010-3019 | | 3020-3029 | | 3030-3039 | | 3040-3049 | | 3050-3059 | | 3060-3069 | | 3070-3079 | | 3080-3089 | | 3090-3099 | | 3100-3109 | | 3110-3119 | | 3120-3129 | | 3130-3139 | | 3140-3149 | | 3150-3159 | | 3160-3169 | | 3170-3179 | | 3180-3189 | | 3190-3199 | | 3200-3209 | | 3210-3219 | | 3220-3229 | | 3230-3239 | | 3240-3249 | | 3250-3259 | | 3260-3269 | | 3270-3279 | | 3280-3289 | | 3290-3299 | | 3300-3309 | | 3310-3319 | | 3320-3329 | | 3330-3339 | | 3340-3349 | | 3350-3359 | | 3360-3369 | | 3370-3379 | | 3380-3389 | | 3390-3399 | | 3400-3409 | | 3410-3419 | | 3420-3429 | | 3430-3439 | | 3440-3449 | | 3450-3459 | | 3460-3469 | | 3470-3479 | | 3480-3489 | | 3490-3499 | | 3500-3509 | | 3510-3519 | | 3520-3529 | | 3530-3539 | | 3540-3549 | | 3550-3559 | | 3560-3569 | | 3570-3579 | | 3580-3589 | | 3590-3599 | | 3600-3609 | | 3610-3619 | | 3620-3629 | | 3630-3639 | | 3640-3649 | | 3650-3659 | | 3660-3669 | | 3670-3679 | | 3680-3689 | | 3690-3699 | | 3700-3709 | | 3710-3719 | | 3720-3729 | | 3730-3739 | | 3740-3749 | | 3750-3759 | | 3760-3769 | | 3770-3779 | | 3780-3789 | | 3790-3799 | | 3800-3809 | | 3810-3819 | | 3820-3829 | | 3830-3839 | | 3840-3849 | | 3850-3859 | | 3860-3869 | | 3870-3879 | | 3880-3889 | | 3890-3899 | | 3900-3909 | | 3910-3919 | | 3920-3929 | | 3930-3939 | | 3940-3949 | | 3950-3959 | | 3960-3969 | | 3970-3979 | | 3980-3989 | | 3990-3999 | | 4000-4009 | | 4010-4019 | | 4020-4029 | | 4030-4039 | | 4040-4049 | | 4050-4059 | | 4060-4069 | | 4070-4079 | | 4080-4089 | | 4090-4099 | | 4100-4109 | | 4110-4119 | | 4120-4129 | | 4130-4139 | | 4140-4149 | | 4150-4159 | | 4160-4169 | | 4170-4179 | | 4180-4189 | | 4190-4199 | | 4200-4209 | | 4210-4219 | | 4220-4229 | | 4230-4239 | | 4240-4249 | | 4250-4259 | | 4260-4269 | | 4270-4279 | | 4280-4289 | | 4290-4299 | | 4300-4309 | | 4310-4319 | | 4320-4329 | | 4330-4339 | | 4340-4349 | | 4350-4359 | | 4360-4369 | | 4370-4379 | | 4380-4389 | | 4390-4399 | | 4400-4409 | | 4410-4419 | | 4420-4429 | | 4430-4439 | | 4440-4449 | | 4450-4459 | | 4460-4469 | | 4470-4479 | | 4480-4489 | | 4490-4499 | | 4500-4509 | | 4510-4519 | | 4520-4529 | | 4530-4539 | | 4540-4549 | | 4550-4559 | | 4560-4569 | | 4570-4579 | | 4580-4589 | | 4590-4599 | | 4600-4609 | | 4610-4619 | | 4620-4629 | | 4630-4639 | | 4640-4649 | | 4650-4659 | | 4660-4669 | | 4670-4679 | | 4680-4689 | | 4690-4699 | | 4700-4709 | | 4710-4719 | | 4720-4729 | | 4730-4739 | | 4740-4749 | | 4750-4759 | | 4760-4769 | | 4770-4779 | | 4780-4789 | | 4790-4799 | | 4800-4809 | | 4810-4819 | | 4820-4829 | | 4830-4839 | | 4840-4849 | | 4850-4859 | | 4860-4869 | | 4870-4879 | | 4880-4889 | | 4890-4899 | | 4900-4909 | | 4910-4919 | | 4920-4929 | | 4930-4939 | | 4940-4949 | | 4950-4959 | | 4960-4969 | | 4970-4979 | | 4980-4989 | | 4990-4999 | | 5000-5009 | | 5010-5019 | | 5020-5029 | | 5030-5039 | | 5040-5049 | | 5050-5059 | | 5060-5069 | | 5070-5079 | | 5080-5089 | | 5090-5099 | | 5100-5109 | | 5110-5119 | | 5120-5129 | | 5130-5139 | | 5140-5149 | | 5150-5159 | | 5160-5169 | | 5170-5179 | | 5180-5189 | | 5190-5199 | | 5200-5209 | | 5210-5219 | | 5220-5229 | | 5230-5239 | | 5240-5249 | | 5250-5259 | | 5260-5269 | | 5270-5279 | | 5280-5289 | | 5290-5299 | | 5300-5309 | | 5310-5319 | | 5320-5329 | | 5330-5339 | | 5340-5349 | | 5350-5359 | | 5360-5369 | | 5370-5379 | | 5380-5389 | | 5390-5399 | | 5400-5409 | | 5410-5419 | | 5420-5429 | | 5430-5439 | | 5440-5449 | | 5450-5459 | | 5460-5469 | | 5470-5479 | | 5480-5489 | | 5490-5499 | | 5500-5509 | | 5510-5519 | | 5520-5529 | | 5530-5539 | | 5540-5549 | | 5550-5559 | | 5560-5569 | | 5570-5579 | | 5580-5589 | | 5590-5599 | | 5600-5609 | | 5610-5619 | | 5620-5629 | | 5630-5639 | | 5640-5649 | | 5650-5659 | | 5660-5669 | | 5670-5679 | | 5680-5689 | | 5690-5699 | | 5700-5709 | | 5710-5719 | | 5720-5729 | | 5730-5739 | | 5740-5749 | | 5750-5759 | | 5760-5769 | | 5770-5779 | | 5780-5789 | | 5790-5799 | | 5800-5809 | | 5810-5819 | | 5820-5829 | | 5830-5839 | | 5840-5849 | | 5850-5859 | | 5860-5869 | | 5870-5879 | | 5880-5889 | | 5890-5899 | | 5900-5909 | | 5910-5919 | | 5920-5929 | | 5930-5939 | | 5940-5949 | | 5950-5959 | | 5960-5969 | | 5970-5979 | | 5980-5989 | | 5990-5999 | | 6000-6009 | | 6010-6019 | | 6020-6029 | | 6030-6039 | | 6040-6049 | | 6050-6059 | | 6060-6069 | | 6070-6079 | | 6080-6089 | | 6090-6099 | | 6100-6109 | | 6110-6119 | | 6120-6129 | | 6130-6139 | | 6140-6149 | | 6150-6159 | | 6160-6169 | | 6170-6179 | | 6180-6189 | | 6190-6199 | | 6200-6209 | | 6210-6219 | | 6220-6229 | | 6230-6239 | | 6240-6249 | | 6250-6259 | | 6260-6269 | | 6270-6279 | | 6280-6289 | | 6290-6299 | | 6300-6309 | | 6310-6319 | | 6320-6329 | | 6330-6339 | | 6340-6349 | | 6350-6359 | | 6360-6369 | | 6370-6379 | | 6380-6389 | | 6390-6399 | | 6400-6409 | | 6410-6419 | | 6420-6429 | | 6430-6439 | | 6440-6449 | | 6450-6459 | | 6460-6469 | | 6470-6479 | | 6480-6489 | | 6490-6499 | | 6500-6509 | | 6510-6519 | | 6520-6529 | | 6530-6539 | | 6540-6549 | | 6550-6559 | | 6560-6569 | | 6570-6579 | | 6580-6589 | | 6590-6599 | | 6600-6609 | | 6610-6619 | | 6620-6629 | | 6630-6639 | | 6640-6649 | | 6650-6659 | | 6660-6669 | | 6670-6679 | | 6680-6689 | | 6690-6699 | | 6700-6709 | | 6710-6719 | | 6720-6729 | | 6730-6739 | | 6740-6749 | | 6750-6759 | | 6760-6769 | | 6770-6779 | | 6780-6789 | | 6790-6799 | | 6800-6809 | | 6810-6819 | | 6820-6829 | | 6830-6839 | | 6840-6849 | | 6850-6859 | | 6860-6869 | | 6870-6879 | | 6880-6889 | | 6890-6899 | | 6900-6909 | | 6910-6919 | | 6920-6929 | | 6930-6939 | | 6940-6949 | | 6950-6959 | | 6960-6969 | | 6970-6979 | | 6980-6989 | | 6990-6999 | | 7000-7009 | | 7010-7019 | | 7020-7029 | | 7030-7039 | | 7040-7049 | | 7050-7059 | | 7060-7069 | | 7070-7079 | | 7080-7089 | | 7090-7099 | | 7100-7109 | | 7110-7119 | | 7120-7129 | | 7130-7139 | | 7140-7149 | | 7150-7159 | | 7160-7169 | | 7170-7179 | | 7180-7189 | | 7190-7199 | | 7200-7209 | | 7210-7219 | | 7220-7229 | | 7230-7239 | | 7240-7249 | | 7250-7259 | | 7260-7269 | | 7270-7279 | | 7280-7289 | | 7290-7299 | | 7300-7309 | | 7310-7319 | | 7320-7329 | | 7330-7339 | | 7340-7349 | | 7350-7359 | | 7360-7369 | | 7370-7379 | | 7380-7389 | | 7390-7399 | | 7400-740 | |
|---------|-----|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-----------|--|----------|--|
|---------|-----|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-----------|--|----------|--|

LIMERICK GENERATING STATION
 WEATHER STATION NO. 1
 LAPSE RATE WIND DISTRIBUTION
 1980
 LOCATION SAT.

| RECTION | 1-3 | | 4-7 | | 8-12 | | 13-18 | | 19-24 | | 25 PLUS | | LAPSE RATE
(2600-2800) | | ALL START TIMES | |
|--------------------|------|---------|------|---------|------|---------|-------|---------|-------|---------|---------|---------|---------------------------|---------|-----------------|---------|
| | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT |
| 28.5 | 27 | 4 | 24 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 53 | 1.1 | 53 | 1.1 |
| 45.0 | 31 | 7 | 19 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 55 | 1.2 | 55 | 1.2 |
| 67.5 | 45 | 10 | 37 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 91 | 1.0 | 91 | 1.0 |
| 90.0 | 112 | 24 | 74 | 17 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 228 | 4.4 | 228 | 4.4 |
| 112.5 | 98 | 21 | 25 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 125 | 2.7 | 125 | 2.7 |
| 135.0 | 122 | 26 | 14 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 140 | 3.0 | 140 | 3.0 |
| 157.5 | 193 | 42 | 122 | 27 | 13 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 388 | 8.4 | 388 | 8.4 |
| 180.0 | 99 | 21 | 74 | 16 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 215 | 4.6 | 215 | 4.6 |
| 202.5 | 40 | 9 | 25 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 68 | 1.4 | 68 | 1.4 |
| 225.0 | 23 | 5 | 31 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57 | 1.2 | 57 | 1.2 |
| 247.5 | 52 | 11 | 40 | 9 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 105 | 2.3 | 105 | 2.3 |
| 270.0 | 95 | 21 | 90 | 19 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 224 | 4.8 | 224 | 4.8 |
| 292.5 | 94 | 21 | 160 | 35 | 27 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 435 | 9.4 | 435 | 9.4 |
| 315.0 | 158 | 34 | 244 | 54 | 174 | 38 | 3 | 1 | 2 | 0 | 0 | 0 | 904 | 19.5 | 904 | 19.5 |
| 337.5 | 232 | 50 | 208 | 46 | 83 | 18 | 1 | 0 | 1 | 0 | 0 | 0 | 701 | 15.1 | 701 | 15.1 |
| 360.0 | 61 | 13 | 54 | 12 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 159 | 3.4 | 159 | 3.4 |
| 1504 | 32.4 | 1270 | 27.8 | 819 | 17.7 | 337 | 7.3 | 14 | .8 | 3 | .1 | 3851 | 84.3 | 3851 | 84.3 | |
| MISSING HOURS 4154 | | | | | | | | | | | | | | | | |

14N WIND SPEED 5.0

TOTAL NUMBER OF CALM HOURS 14.7

SECTION VI

LIMBRICK GENERATING STATION
 WEATHER STATION NO. 1
 LAPSE RATE WIND DISTRIBUTION
 1980
 LOCATION SAT.

| DIRECTION | 1-3 | | 4-7 | | 8-12 | | 13-18 | | 19-24 | | 25 PLUS
(171-26FT) | | LAPSE RATE
LE-1.0 CLASS A | |
|-----------|-----|---------|-----|---------|------|---------|-------|---------|-------|---------|-----------------------|---------|------------------------------|---------|
| | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT |
| 22.5 | 2 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 0.0 |
| 45.0 | 1 | 0.0 | 0 | 0.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 67.5 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 90.0 | 2 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 0.0 |
| 112.5 | 1 | 0.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 135.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 157.5 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 180.0 | 14 | 0.0 | 16 | 0.0 | 4 | 0.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 40 | 0.0 |
| 202.5 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 225.0 | 1 | 0.0 | 13 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 13 | 0.0 |
| 247.5 | 1 | 0.0 | 11 | 0.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 10 | 0.0 |
| 270.0 | 2 | 0.0 | 22 | 0.0 | 14 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 40 | 0.0 |
| 292.5 | 1 | 0.0 | 31 | 0.0 | 22 | 0.0 | 10 | 0.0 | 0 | 0.0 | 0 | 0.0 | 40 | 0.0 |
| 315.0 | 0 | 0.0 | 32 | 0.0 | 74 | 0.0 | 54 | 0.0 | 0 | 0.0 | 1 | 0.0 | 170 | 0.0 |
| 337.5 | 12 | 0.0 | 22 | 0.0 | 50 | 0.0 | 26 | 0.0 | 1 | 0.0 | 0 | 0.0 | 111 | 0.0 |
| 360.0 | 4 | 0.0 | 2 | 0.0 | 3 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 13 | 0.0 |
| | 70 | 1.5 | 161 | 4.0 | 200 | 4.8 | 99 | 2.2 | 4 | .1 | 1 | .0 | 555 | 12.2 |

MEAN WIND SPEED 6.8
 CALM HOURS 2
 PERCENT CALM .1
 MISSING 973

LIMBICK GENERATING STATION
 WEATHER STATION NO. 1
 LAKE RATE WIND DISTRIBUTION
 1960
 LOCATION SAT.

| DIRECTION | 1-3 | | 4-7 | | 8-12 | | 13-18 | | 19-24 | | 25 PLUS | | LAKE RATE
-1.0 / -1.7 CLASS M | |
|-----------|-----|---------|-----|---------|------|---------|-------|---------|-------|---------|---------|---------|----------------------------------|---------|
| | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT |
| 22.5 | 1 | 0.0 | 2 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 5 | 1.1 |
| 45.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 67.5 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0.0 |
| 90.0 | 4 | 1.1 | 1 | 0.0 | 0 | 0.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 6 | 1.1 |
| 112.5 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 135.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| 157.5 | 4 | 1.1 | 0 | 0.0 | 0 | 0.0 | 3 | 0.0 | 0 | 0.0 | 0 | 0.0 | 23 | 4.5 |
| 180.0 | 1 | 0.0 | 4 | 1.1 | 2 | 0.0 | 2 | 0.0 | 0 | 0.0 | 0 | 0.0 | 11 | 2.1 |
| 202.5 | 2 | 0.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 3 | 0.6 |
| 225.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 0.4 |
| 247.5 | 2 | 0.0 | 3 | 0.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 8 | 1.5 |
| 270.0 | 2 | 0.0 | 5 | 1.1 | 4 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 11 | 2.1 |
| 292.5 | 1 | 0.0 | 12 | 3.0 | 12 | 0.0 | 2 | 0.0 | 0 | 0.0 | 0 | 0.0 | 27 | 5.0 |
| 315.0 | 2 | 0.0 | 11 | 2.8 | 20 | 0.0 | 10 | 0.0 | 0 | 0.0 | 0 | 0.0 | 24 | 4.5 |
| 337.5 | 3 | 0.0 | 4 | 1.1 | 2 | 0.0 | 2 | 0.0 | 2 | 0.0 | 0 | 0.0 | 27 | 5.0 |
| 360.0 | 3 | 0.0 | 5 | 1.1 | 2 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 10 | 1.9 |
| | 24 | 6.4 | 61 | 15.3 | 66 | 1.6 | 34 | 8.4 | 3 | 0.1 | 1 | 0.0 | 103 | 19.2 |

MEAN WIND SPEED 8.5
 CALM HOURS 0
 PERCENT CALM 0.0
 WINNING 134

LIMETICK GENERATING STATION
 WEATHER STATION NO. 1
 LAPSE RATE WIND DISTRIBUTION
 1960
 LOCATION SAT.

| DIRECTION | 1-3 | | 4-7 | | 8-12 | | 13-18 | | 19-24 | | 25 PLUS | | LAPSE RATE
-1.6/-1.5 CLASS C | |
|-----------|-----|---------|-----|---------|------|---------|-------|---------|-------|---------|---------|---------|---------------------------------|---------|
| | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT |
| 22.5 | 2 | 0.0 | 2 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 4 | 1.1 |
| 45.0 | 1 | 0.0 | 2 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 3 | 0.8 |
| 67.5 | 1 | 0.0 | 2 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 10 | 2.6 |
| 90.0 | 0 | 0.0 | 3 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 4 | 1.1 |
| 112.5 | 0 | 0.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0.3 |
| 135.0 | 0 | 0.0 | 2 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 0.5 |
| 157.5 | 0 | 0.0 | 1 | 0.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 23 | 6.1 |
| 180.0 | 0 | 0.0 | 2 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 4 | 1.1 |
| 202.5 | 0 | 0.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 0.5 |
| 225.0 | 0 | 0.0 | 3 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 5 | 1.3 |
| 247.5 | 0 | 0.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 0.5 |
| 270.0 | 0 | 0.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0.3 |
| 292.5 | 0 | 0.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 2 | 0.5 |
| 315.0 | 0 | 0.0 | 1 | 0.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 10 | 2.6 |
| 337.5 | 0 | 0.0 | 1 | 0.0 | 23 | 6.1 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 20 | 5.4 |
| 360.0 | 0 | 0.0 | 3 | 0.0 | 11 | 3.0 | 5 | 1.4 | 1 | 0.0 | 0 | 0.0 | 55 | 14.8 |
| | 2 | 0.0 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 24 | 6.4 |
| | | | | | | | | | | | | | 4 | 1.1 |
| | 80 | 0.0 | 62 | 1.6 | 46 | 1.2 | 29 | 0.8 | 1 | 0.0 | 0 | 0.0 | 188 | 49.1 |

MEAN WIND SPEED 7.6
 CALM HOURS 2
 PERCENT CALM 0.0
 MISSING 140

LIMPIK GENERATING STATION
 WEATHER STATION NO. 1
 LAPSE RATE WIND DISTRIBUTION
 1960
 LOCATION SAY.

| DIRECTION | 1-8 | | 9-12 | | 13-16 | | 17-20 | | 21-24 | | 25 PLUS | | LAPSE RATE
-1.0/-0.5 CLASS 0 | |
|-----------|-----|---------|------|---------|-------|---------|-------|---------|-------|---------|---------|---------|---------------------------------|---------|
| | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT |
| 22.5 | 12 | 3 | 14 | 4 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 28 | 4 |
| 45.0 | 19 | 5 | 12 | 3 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 33 | 7 |
| 67.5 | 27 | 7 | 24 | 6 | 4 | 1.1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 59 | 1.3 |
| 90.0 | 53 | 14 | 69 | 18 | 32 | 7.7 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 155 | 3.8 |
| 112.5 | 46 | 12 | 17 | 4 | 2 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 65 | 1.6 |
| 135.0 | 44 | 11 | 10 | 2 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 57 | 1.2 |
| 157.5 | 50 | 13 | 62 | 16 | 14 | 3.6 | 4 | 0.0 | 0 | 0.0 | 0 | 0.0 | 134 | 3.2 |
| 180.0 | 20 | 5 | 28 | 7 | 17 | 4.4 | 4 | 1.1 | 0 | 0.0 | 0 | 0.0 | 170 | 4.3 |
| 202.5 | 6 | 1 | 10 | 2 | 2 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 14 | 0.3 |
| 225.0 | 8 | 2 | 9 | 2 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 14 | 0.3 |
| 247.5 | 14 | 3 | 13 | 3 | 2 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 20 | 0.5 |
| 270.0 | 24 | 6 | 30 | 7 | 13 | 3.3 | 0 | 0.0 | 1 | 0.0 | 0 | 0.0 | 73 | 1.8 |
| 292.5 | 24 | 6 | 70 | 18 | 64 | 16.4 | 29 | 7.4 | 2 | 0.0 | 1 | 0.0 | 193 | 4.8 |
| 315.0 | 34 | 8 | 84 | 21 | 133 | 33.3 | 73 | 18.6 | 4 | 1.0 | 0 | 0.0 | 346 | 8.6 |
| 337.5 | 33 | 8 | 97 | 24 | 92 | 23.0 | 42 | 10.5 | 2 | 0.0 | 0 | 0.0 | 264 | 6.6 |
| 360.0 | 24 | 6 | 50 | 12 | 13 | 3.3 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 67 | 1.6 |
| | 480 | 9.9 | 548 | 12.9 | 396 | 8.7 | 156 | 3.8 | 10 | .2 | 1 | .0 | 1401 | 35.1 |

MEAN WIND SPEED 4.8
 CALM HOURS 41
 PERCENT CALM 1.1
 MISSING 897

LIMERICK GENERATING STATION
 WEATHER STATION NO. 1
 LAPSE RATE WIND DISTRIBUTION
 1960
 LOCATION SAT.

DES C/100M
 (171-26FT)
 LAPSE RATE
 -0.4/ 1.5 CLASS E

| DIRECTION | 1-7 | | 8-7 | | 8-12 | | 13-14 | | 19-24 | | 25 PLUS | | SUM | |
|-----------|-----|---------|-----|---------|------|---------|-------|---------|-------|---------|---------|---------|------|---------|
| | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT |
| 27.5 | 6 | 1 | 4 | 1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 10 | 2 |
| 45.0 | 9 | 1 | 5 | 1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 12 | 3 |
| 67.5 | 11 | 2 | 4 | 1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 15 | 3 |
| 90.0 | 43 | 9 | 9 | 1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 48 | 1.1 |
| 112.5 | 34 | 7 | 4 | 1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 42 | 1.0 |
| 135.0 | 52 | 11 | 7 | 1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 55 | 1.2 |
| 157.5 | 70 | 15 | 13 | 3 | 12 | 3 | 3 | 1 | 0 | 0.0 | 0 | 0.0 | 98 | 2.1 |
| 180.0 | 33 | 7 | 14 | 3 | 4 | 1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 53 | 1.2 |
| 202.5 | 19 | 4 | 11 | 2 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 31 | 0.7 |
| 225.0 | 10 | 2 | 4 | 1 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 16 | 0.4 |
| 247.5 | 21 | 5 | 8 | 2 | 1 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 30 | 0.7 |
| 270.0 | 46 | 10 | 27 | 6 | 8 | 2 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 79 | 1.7 |
| 292.5 | 45 | 10 | 42 | 9 | 21 | 5 | 7 | 2 | 0 | 0.0 | 0 | 0.0 | 116 | 2.5 |
| 315.0 | 74 | 17 | 122 | 27 | 38 | 9 | 4 | 1 | 0 | 0.0 | 0 | 0.0 | 236 | 5.2 |
| 337.5 | 109 | 24 | 47 | 10 | 11 | 3 | 1 | 0 | 0 | 0.0 | 0 | 0.0 | 166 | 3.7 |
| 360.0 | 28 | 6 | 16 | 4 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 34 | 0.8 |
| | 611 | 13.4 | 724 | 17.2 | 43 | 2.0 | 17 | 0.4 | 0 | 0.0 | 0 | 0.0 | 1088 | 23.9 |

MEAN WIND SPEED 3.1
 CALM HOURS 21.4
 PERCENT CALM 4.7
 MISSING 403

LITENICK GENERATING STATION
 WEATHER STATION NO. 1
 LAPSE RATE WIND DISTRIBUTION
 1980
 LOCATION SAT.

| DIRECTION | SPEEDS (MI/HR) | | | | | NEB C/100M
(171-26FT) | | | LAPSE RATE
1.6 / 4.0 CLASS F | | |
|-----------|----------------|-----|------|-------|-------|--------------------------|-----|---------|---------------------------------|---------|--|
| | 1-3 | 4-7 | 8-12 | 13-14 | 19-24 | 25 PLUS | SUM | PERCENT | SUM | PERCENT | |
| 22.5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 2 | 0.0 | |
| 45.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0.0 | |
| 67.5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 2 | 0.0 | |
| 90.0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 4 | 0.0 | |
| 112.5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 4 | 0.0 | |
| 135.0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 14 | 0.0 | |
| 157.5 | 43 | 1 | 0 | 0 | 0 | 0 | 0 | 0.0 | 44 | 0.0 | |
| 180.0 | 14 | 1 | 0 | 0 | 0 | 0 | 0 | 0.0 | 15 | 0.0 | |
| 202.5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 1 | 0.0 | |
| 225.0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 1 | 0.0 | |
| 247.5 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 9 | 0.0 | |
| 270.0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 4 | 0.0 | |
| 292.5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 4 | 0.0 | |
| 315.0 | 14 | 1 | 0 | 0 | 0 | 0 | 0 | 0.0 | 15 | 0.0 | |
| 337.5 | 19 | 2 | 0 | 0 | 0 | 0 | 0 | 0.0 | 21 | 0.0 | |
| 360.0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 14 | 0.0 | |
| | 177 | 30 | 1 | 0 | 0 | 0 | 0 | 0.0 | 192 | 0.0 | |

MEAN WIND SPEED 8
 CALM HOURS 212
 PERCENT CALM 8.6
 MISSING 0.0

LYMPHICK GENERATING STATION
 WEATHER STATION NO. 1
 LAPSE RATE WIND DISTRIBUTION
 1960
 LOCATION SAT.

| DIRECTION | 1-3 | | 4-7 | | 8-12 | | 13-16 | | 19-24 | | 25 PLUS
(171-247) | | LAPSE RATE
GT. 8.0 CLASS 2 | |
|-----------|-----|---------|-----|---------|------|---------|-------|---------|-------|---------|----------------------|---------|-------------------------------|---------|
| | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT | SUM | PERCENT |
| 22.5 | 1 | 0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0 |
| 45.0 | 1 | 0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0 |
| 67.5 | 1 | 0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0 |
| 90.0 | 1 | 0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0 |
| 112.5 | 1 | 0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0 |
| 135.0 | 1 | 0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0 |
| 157.5 | 1 | 0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0 |
| 180.0 | 1 | 0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0 |
| 202.5 | 1 | 0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0 |
| 225.0 | 1 | 0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0 |
| 247.5 | 1 | 0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0 |
| 270.0 | 1 | 0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0 |
| 292.5 | 1 | 0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0 |
| 315.0 | 1 | 0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0 |
| 337.5 | 1 | 0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0 |
| 360.0 | 1 | 0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 1 | 0 |
| | 104 | 2.3 | 2 | .0 | 1 | .0 | 0 | .0 | 0 | .0 | 0 | .0 | 107 | 2.3 |

MEAN WIND SPEED .5
 CALM HOURS 122
 PERCENT CALM 4.2
 WINDING 206

LIVERPOOL GENERATING STATION
 WEATHER STATION NO. 1
 LAKE RATE WIND DISTRIBUTION
 1940
 LOCATION SAT.

DEM C/100H (171-2657) LAKE RATE ALL STABILITIES

| DIRECTION | 1-3 | | | 4-7 | | | 8-12 | | | 13-18 | | | 19-24 | | | 25 PLUS | | | SUM PERCENT | | |
|-----------|-----|---------|--|-----|---------|--|------|---------|--|-------|---------|--|-------|---------|--|---------|---------|--|-------------|---------|--|
| | SUM | PERCENT | | SUM | PERCENT | | SUM | PERCENT | | SUM | PERCENT | | SUM | PERCENT | | SUM | PERCENT | | SUM | PERCENT | |
| 225.0 | 26 | 4 | | 24 | 5 | | 2 | 0 | | 0 | 0 | | 0 | 0 | | 0 | 0 | | 42 | 1.1 | |
| 45.0 | 31 | 7 | | 19 | 4 | | 5 | 1 | | 0 | 0 | | 0 | 0 | | 0 | 0 | | 33 | 1.2 | |
| 67.5 | 44 | 10 | | 37 | 8 | | 9 | 2 | | 0 | 0 | | 0 | 0 | | 0 | 0 | | 80 | 2.0 | |
| 90.0 | 113 | 25 | | 78 | 17 | | 37 | 8 | | 0 | 0 | | 0 | 0 | | 0 | 0 | | 230 | 5.9 | |
| 112.5 | 98 | 21 | | 24 | 5 | | 2 | 0 | | 0 | 0 | | 0 | 0 | | 0 | 0 | | 125 | 3.2 | |
| 135.0 | 122 | 27 | | 16 | 4 | | 2 | 0 | | 0 | 0 | | 0 | 0 | | 0 | 0 | | 180 | 4.6 | |
| 157.5 | 193 | 43 | | 120 | 26 | | 58 | 13 | | 15 | 3 | | 0 | 0 | | 0 | 0 | | 388 | 9.9 | |
| 180.0 | 98 | 21 | | 71 | 16 | | 38 | 8 | | 7 | 2 | | 0 | 0 | | 0 | 0 | | 208 | 5.4 | |
| 202.5 | 38 | 9 | | 25 | 5 | | 3 | 1 | | 0 | 0 | | 0 | 0 | | 0 | 0 | | 87 | 2.2 | |
| 225.0 | 23 | 5 | | 31 | 7 | | 13 | 3 | | 0 | 0 | | 0 | 0 | | 0 | 0 | | 57 | 1.4 | |
| 247.5 | 51 | 11 | | 40 | 9 | | 13 | 3 | | 0 | 0 | | 0 | 0 | | 0 | 0 | | 108 | 2.8 | |
| 270.0 | 94 | 21 | | 88 | 20 | | 38 | 8 | | 2 | 1 | | 0 | 0 | | 0 | 0 | | 228 | 5.9 | |
| 292.5 | 97 | 21 | | 158 | 35 | | 125 | 27 | | 48 | 11 | | 0 | 0 | | 1 | 0 | | 432 | 11.1 | |
| 315.0 | 153 | 34 | | 263 | 58 | | 291 | 64 | | 178 | 39 | | 10 | 2 | | 2 | 0 | | 887 | 22.7 | |
| 337.5 | 222 | 49 | | 185 | 41 | | 172 | 38 | | 83 | 18 | | 4 | 1 | | 0 | 0 | | 687 | 17.6 | |
| 360.0 | 78 | 17 | | 55 | 12 | | 14 | 3 | | 1 | 0 | | 0 | 0 | | 0 | 0 | | 153 | 3.9 | |

1878 32.4 1236 27.1 813 17.6 337 7.6 18 .8 3 1 385 85.2
 MISSING HOURS 4222

MEAN WIND SPEED 5.0
 TOTAL NUMBER OF CALM HOURS 18.8