

EXHIBIT K: CLIMATE INFORMATION

The 1987 climate information still applies, see attached.

EXHIBIT K - CLIMATE

The climatological data for this pit is presented in the attached "Climatology Report No. 77-1" for the Fort Collins area which shows means, extremes and durations of temperature ranges on a month by month basis, as well as similar precipitation information.

In addition, an annual wind rose diagram for Fort Collins covering the period 1954 to 1963 is included. We also reference Bulletin 509-S of the Agricultural Experiment Station, Colorado State University, titled Meteorological Data 1887 to 1957, which is a summary of 71 years of meteorological data taken at the experiment station. Should more indepth historical data be desired, this publication will be provided.

CLIMATOLOGY REPORT NO. 77-1

FORT COLLINS

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COLORADO CLIMATOLOGY OFFICE
COLORADO STATE UNIVERSITY
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	TEMPERATURE (F)										PRECIPITATION (INCHES)													
	MEANS			EXTREMES						PEAKING OF DAYS				GREATEST			MAX. DEPTH			PEAKING OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE MONTHLY	RECORD HIGHEST	YEAR	DAY	RECORD LOWEST	YEAR	DAY	MAX		MIN		MEAN	GREATEST DAY	YEAR	DAY	MEAN	MAX. DEPTH ON GROUND	YEAR	DAY	MAX. OF DAYS		
										99 OR ABOVE	92 OR BELOW	92 OR BELOW	0 OR BELOW									.10 OR MORE	.50 OR MORE	1.00 OR MORE
JAN	41.6	33.4	27.5	68.	1955	12	-52.	1962	18	0.0	7.3	30.2	4.5	.42	.86	1962	8	6.5	13.	1962	8	1.2	.1	0.0
FEB	44.7	38.1	31.4	75.	1954	8	-41.	1951	1	0.0	9.0	26.7	2.6	.44	.41	1961	26	6.6	9.	1956	8	1.6	0.0	0.0
MAR	49.8	42.0	35.1	78.	1967	26	-23.	1956	12	0.0	3.8	27.5	1.2	1.10	1.06	1961	18	13.3	17.	1956	14	3.6	.5	.1
APR	61.1	52.1	46.1	83.	1967	19	-8.	1959	12	0.0	.5	14.5	.3	1.55	2.16	1957	2	6.4	18.	1957	2	3.0	.6	.2
MAY	66.7	62.8	56.5	90.	1965	27	25.	1962	1	0.0	0.0	1.8	0.0	2.88	3.21	1961	13	.2	1.	1961	13	5.2	1.6	.8
JUN	79.1	59.8	65.0	102.	1954	23	33.	1951	2	4.4	0.0	0.0	0.0	1.90	2.71	1965	17	0.0	0.	0	0	4.6	.8	.2
JUL	85.9	56.7	71.5	102.	1954	11	40.	1952	8	6.8	0.0	0.0	0.0	1.53	1.58	1961	7	0.0	0.	0	0	3.8	.9	.2
AUG	83.6	54.5	69.1	99.	1969	8	39.	1964	30	6.2	0.0	0.0	0.0	1.62	3.06	1951	3	0.0	0.	0	0	3.4	.6	.2
SEP	75.5	44.7	60.1	95.	1959	6	27.	1965	24	1.2	0.0	1.0	0.0	1.08	.96	1963	20	.1	1.	1959	28	2.9	.8	0.0
OCT	64.5	34.4	45.7	87.	1967	3	8.	1969	14	0.0	.1	12.1	0.0	1.14	1.67	1951	5	2.5	12.	1960	12	2.8	.9	.2
NOV	57.0	25.2	37.7	73.	1964	8	-17.	1951	2	0.0	2.5	26.4	.5	.95	.61	1967	21	5.5	6.	1967	21	1.8	.2	0.0
DEC	43.7	17.0	30.4	73.	1957	6	-17.	1954	28	0.0	5.2	30.5	2.0	.36	.82	1958	12	4.9	12.	1958	12	1.2	.1	0.0
TOTAL	62.0	36.1	48.5							22.	23.	171.	11.	14.7				46.				36.	7.	2.

PRECIPITATION WITH PROBABILITY EQUAL OR LESS THAN

PROB. LEVEL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
.05	.06	.08	.14	.39	.54	.40	.26	.13	.06	.05	0.00	0.00	7.49
.10	.09	.12	.23	.54	.40	.59	.40	.24	.12	.10	.15	0.00	8.71
.20	.15	.19	.38	.76	.77	.74	.67	.45	.25	.23	.26	.05	10.76
.30	.21	.25	.44	.96	.61	.81	.83	.67	.40	.38	.34	.13	11.64
.40	.27	.33	.70	1.16	.61	.81	1.04	.92	.57	.55	.52	.20	12.49
.50	.34	.43	.88	1.37	.43	.78	1.28	.76	.76	.76	.58	.27	13.10
.60	.42	.54	.98	1.40	.52	.83	1.36	.84	.80	1.03	.65	.36	13.34
.70	.51	.64	1.04	1.57	.53	.82	1.36	.87	.91	1.37	.69	.46	14.43
.80	.64	.80	1.29	1.71	.53	.84	1.56	.96	.96	1.85	.85	.51	15.64
.90	.84	.96	1.76	2.40	.53	.87	2.09	1.56	.97	1.70	1.03	.85	16.36
.95	1.04	1.03	2.01	3.34	.72	1.06	3.04	2.54	1.19	3.04	1.22	1.08	18.79
ALPHA	1.71	2.08	1.58	2.75	2.10	2.74	1.96	1.72	1.04	.91	2.90	1.44	0.52
BETA	.74	.71	.69	.56	1.37	.49	.78	1.13	1.04	1.75	.70	.30	1.72
Q	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.05	.15	0.00

PIVOT GAMMA DISTRIBUTION FITTED TO DATA
 ALPHA - SCALE PARAMETER BETA - SCALE PARAMETER
 Q - NO. OF MONTHS HAVING ZERO PRECIPITATION/TOTAL NO. OF MONTHS
 MEDIAN PRECIPITATION AMOUNTS ARE INDICATED AT THE .50 PROBABILITY LEVEL

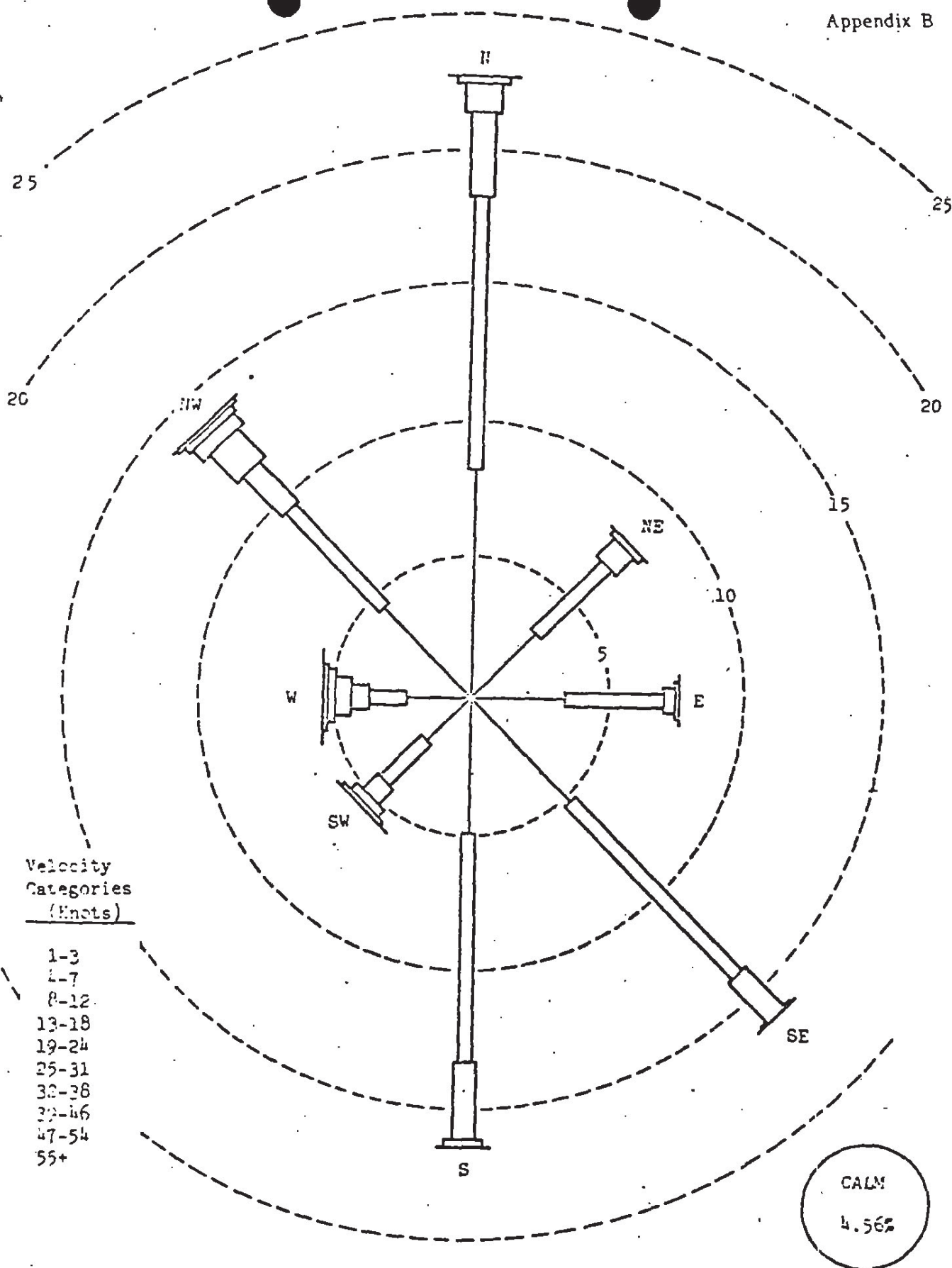


Fig. : Annual wind rose, Fort Collins, Colorado, 1954-1963 (42,510 observations). Wind speed classes as indicated in the diagram (Source: 1965)

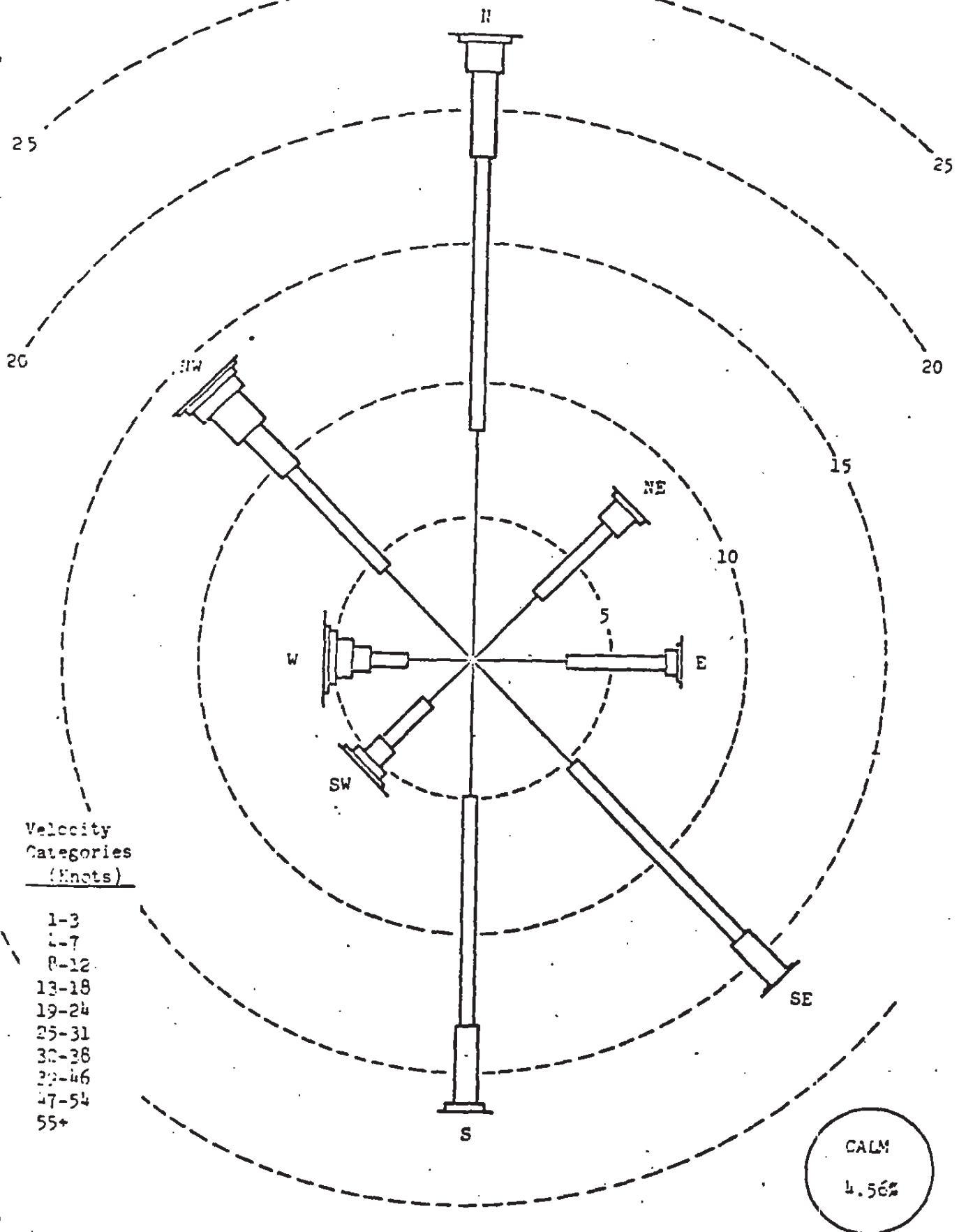


Fig. : Annual wind rose, Fort Collins, Colorado, 1954-1963 (42,510 observations). Wind speed classes as indicated in the diagram (54-500 1065)