METEOROLOGICAL DATA FOR LEMOORE (1968)

Station ID : 23110

RUN ID :

Years : 1968

Start Date : January 1

End Date : December 31

Start Time : Midnight

End Time : 11 PM

Frequency Distribution
(Count)

Wind Direction (Blowing From) / Wind Speed (m/s)

	0.51-2.06	2.06-3.60	3.60-5.66	5.66-8.75	8.75-10.80	>10.80	Total
N	195	348	299	113	4	1	960
NNE	107	172	136	31	0	0	446
NE	62	90	35	1	0	0	188
ENE	49	59	10	0	0	0	118
E	88	66	16	0	0	0	170
ESE	88	88	25	5	0	0	206
SE	122	117	75	15	0	0	329
SSE	104	106	51	7	1	0	269
S	97	74	26	10	1	0	208
SSW	63	43	19	5	1	0	131
SW	79	35	14	7	2	0	137
WSW	132	76	9	9	0	0	226
W	213	124	16	5	0	0	358
WNW	181	249	44	6	1	0	481
NW	200	536	338	101	9	2	1186
NNW	224	671	628	255	16	1	1795
Total	2004	2854	1741	570	35	4	

Frequency of Calm Winds : 1576

Average Wind Speed : 2.94 m/s

Station ID : 23110

RUN ID :

Years : 1968

Start Date : January 1

End Date : December 31

Start Time : Midnight

End Time : 11 PM

Frequency Distribution
(Normalized)

Wind Direction (Blowing From) / Wind Speed (m/s)

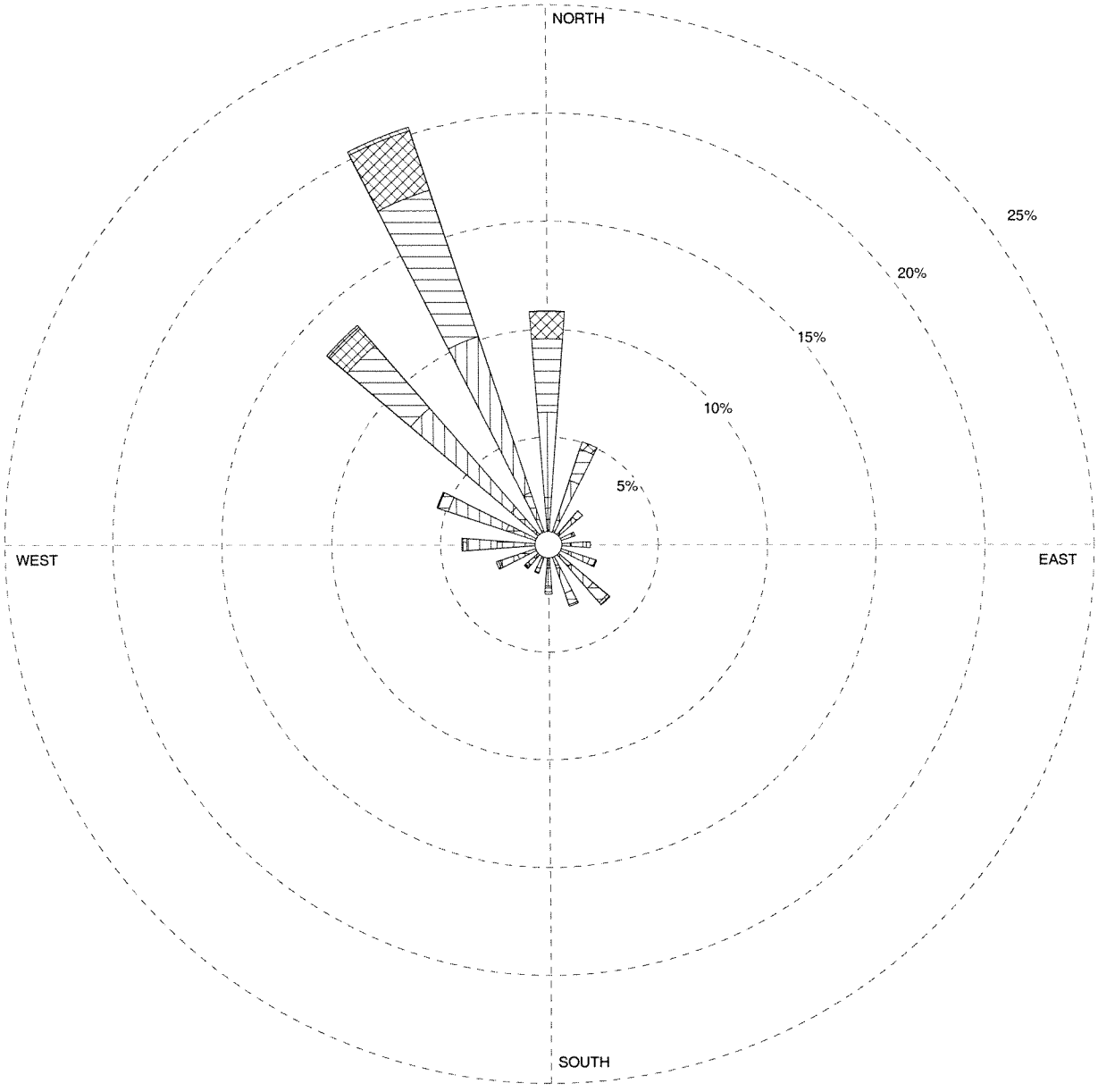
	0.51-2.06	2.06-3.60	3.60-5.66	5.66-8.75	8.75-10.80	>10.80	Total
N	0.022199	0.039617	0.034039	0.012864	0.000455	0.000114	0.109290
NNE	0.012181	0.019581	0.015483	0.003529	0.000000	0.000000	0.050774
NE	0.007058	0.010246	0.003985	0.000114	0.000000	0.000000	0.021403
ENE	0.005578	0.006717	0.001138	0.000000	0.000000	0.000000	0.013434
E	0.010018	0.007514	0.001821	0.000000	0.000000	0.000000	0.019353
ESE	0.010018	0.010018	0.002846	0.000569	0.000000	0.000000	0.023452
SE	0.013889	0.013320	0.008538	0.001708	0.000000	0.000000	0.037454
SSE	0.011840	0.012067	0.005806	0.000797	0.000114	0.000000	0.030624
S	0.011043	0.008424	0.002960	0.001138	0.000114	0.000000	0.023679
SSW	0.007172	0.004895	0.002163	0.000569	0.000114	0.000000	0.014913
SW	0.008994	0.003985	0.001594	0.000797	0.000228	0.000000	0.015597
WSW	0.015027	0.008652	0.001025	0.001025	0.000000	0.000000	0.025729
W	0.024249	0.014117	0.001821	0.000569	0.000000	0.000000	0.040756
WNW	0.020606	0.028347	0.005009	0.000683	0.000114	0.000000	0.054759
NW	0.022769	0.061020	0.038479	0.011498	0.001025	0.000228	0.135018
NNW	0.025501	0.076389	0.071494	0.029030	0.001821	0.000114	0.204349
Total	0.228142	0.324909	0.198201	0.064891	0.003985	0.000455	

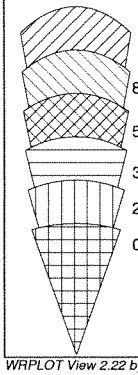
Frequency of Calm Winds : 17.94%

Average Wind Speed : 2.94 m/s

WIND ROSE PLOT

Lemoore





MODELER	DATE	COMPANY NAME
vjh	**8/22/01**	**URS Corporation**
DISPLAY	UNIT	COMMENTS
Wind Speed	**m/s**	**Annualy Wind Rose 1968**
AVG. WIND SPEED	CALM WINDS	
2.94 m/s	**17.94%**	
ORIENTATION	PLOT YEAR-DATE-TIME	PROJECT/PLOT NO.
Direction (blowing from)	**68 January 1 - December 31 Midnight - 11 PM**	

WRPLOT View 2.22 by Lakes Environmental Software - www.lakes-environmental.com

Station ID : 23110

RUN ID :

Years : 1968

Start Date : January 1

End Date : March 31

Start Time : Midnight

End Time : 11 PM

Frequency Distribution
(Count)

Wind Direction (Blowing From) / Wind Speed (m/s)

	0.51-2.06	2.06-3.60	3.60-5.66	5.66-8.75	8.75-10.80	>10.80	Total
N	42	52	29	9	0	0	132
NNE	24	29	12	1	0	0	66
NE	15	12	1	0	0	0	28
ENE	15	20	2	0	0	0	37
E	35	32	9	0	0	0	76
ESE	43	52	13	1	0	0	109
SE	49	60	38	10	0	0	157
SSE	37	44	27	5	1	0	114
S	40	27	8	4	1	0	80
SSW	13	16	8	2	0	0	39
SW	29	13	3	1	0	0	46
WSW	45	37	1	1	0	0	84
W	57	49	5	0	0	0	111
WNW	49	38	11	0	0	0	98
NW	34	91	58	13	0	0	196
NNW	45	91	71	32	1	0	240
Total	572	663	296	79	3	0	

Frequency of Calm Winds : 571

Average Wind Speed : 2.54 m/s

Station ID : 23110

RUN ID :

Years : 1968

Start Date : January 1

End Date : March 31

Start Time : Midnight

End Time : 11 PM

Frequency Distribution
(Normalized)

Wind Direction (Blowing From) / Wind Speed (m/s)

	0.51-2.06	2.06-3.60	3.60-5.66	5.66-8.75	8.75-10.80	>10.80	Total
N	0.019231	0.023810	0.013278	0.004121	0.000000	0.000000	0.060440
NNE	0.010989	0.013278	0.005495	0.000458	0.000000	0.000000	0.030220
NE	0.006868	0.005495	0.000458	0.000000	0.000000	0.000000	0.012821
ENE	0.006868	0.009158	0.000916	0.000000	0.000000	0.000000	0.016941
E	0.016026	0.014652	0.004121	0.000000	0.000000	0.000000	0.034799
ESE	0.019689	0.023810	0.005952	0.000458	0.000000	0.000000	0.049908
SE	0.022436	0.027473	0.017399	0.004579	0.000000	0.000000	0.071886
SSE	0.016941	0.020147	0.012363	0.002289	0.000458	0.000000	0.052198
S	0.018315	0.012363	0.003663	0.001832	0.000458	0.000000	0.036630
SSW	0.005952	0.007326	0.003663	0.000916	0.000000	0.000000	0.017857
SW	0.013278	0.005952	0.001374	0.000458	0.000000	0.000000	0.021062
WSW	0.020604	0.016941	0.000458	0.000458	0.000000	0.000000	0.038462
W	0.026099	0.022436	0.002289	0.000000	0.000000	0.000000	0.050824
WNW	0.022436	0.017399	0.005037	0.000000	0.000000	0.000000	0.044872
NW	0.015568	0.041667	0.026557	0.005952	0.000000	0.000000	0.089744
NNW	0.020604	0.041667	0.032509	0.014652	0.000458	0.000000	0.109890
Total	0.261905	0.303571	0.135531	0.036172	0.001374	0.000000	

Frequency of Calm Winds : 26.14%

Average Wind Speed : 2.54 m/s

Station ID : 23110

Years : 1968

Start Date : April 1

Start Time : Midnight

RUN ID :

End Date : June 30

End Time : 11 PM

Frequency Distribution

(Count)

Wind Direction (Blowing From) / Wind Speed (m/s)

	0.51-2.06	2.06-3.60	3.60-5.66	5.66-8.75	8.75-10.80	>10.80	Total
N	32	90	103	42	2	0	269
NNE	15	42	29	12	0	0	98
NE	7	14	8	0	0	0	29
ENE	11	8	2	0	0	0	21
E	5	10	1	0	0	0	16
ESE	6	3	3	0	0	0	12
SE	14	8	7	2	0	0	31
SSE	11	5	1	0	0	0	17
S	5	3	4	2	0	0	14
SSW	14	9	2	2	0	0	27
SW	16	7	6	2	0	0	31
WSW	37	22	3	2	0	0	64
W	43	34	7	2	0	0	86
WNW	35	107	27	5	1	0	175
NW	44	163	183	71	9	2	472
NNW	39	189	260	149	10	1	648
Total	334	714	646	291	22	3	

Frequency of Calm Winds : 174

Average Wind Speed : 3.60 m/s

Station ID : 23110

RUN ID :

Years : 1968

Start Date : April 1

End Date : June 30

Start Time : Midnight

End Time : 11 PM

Frequency Distribution
(Normalized)

Wind Direction (Blowing From) / Wind Speed (m/s)

	0.51-2.06	2.06-3.60	3.60-5.66	5.66-8.75	8.75-10.80	>10.80	Total
N	0.014652	0.041209	0.047161	0.019231	0.000916	0.000000	0.123168
NNE	0.006868	0.019231	0.013278	0.005495	0.000000	0.000000	0.044872
NE	0.003205	0.006410	0.003663	0.000000	0.000000	0.000000	0.013278
ENE	0.005037	0.003663	0.000916	0.000000	0.000000	0.000000	0.009615
E	0.002289	0.004579	0.000458	0.000000	0.000000	0.000000	0.007326
ESE	0.002747	0.001374	0.001374	0.000000	0.000000	0.000000	0.005495
SE	0.006410	0.003663	0.003205	0.000916	0.000000	0.000000	0.014194
SSE	0.005037	0.002289	0.000458	0.000000	0.000000	0.000000	0.007784
S	0.002289	0.001374	0.001832	0.000916	0.000000	0.000000	0.006410
SSW	0.006410	0.004121	0.000916	0.000916	0.000000	0.000000	0.012363
SW	0.007326	0.003205	0.002747	0.000916	0.000000	0.000000	0.014194
WSW	0.016941	0.010073	0.001374	0.000916	0.000000	0.000000	0.029304
W	0.019689	0.015568	0.003205	0.000916	0.000000	0.000000	0.039377
WNW	0.016026	0.048993	0.012363	0.002289	0.000458	0.000000	0.080128
NW	0.020147	0.074634	0.083791	0.032509	0.004121	0.000916	0.216117
NNW	0.017857	0.086538	0.119048	0.068223	0.004579	0.000458	0.296703
Total	0.152930	0.326923	0.295788	0.133242	0.010073	0.001374	

Frequency of Calm Winds : 7.97%

Average Wind Speed : 3.60 m/s

Station ID : 23110

RUN ID :

Years : 1968

Start Date : July 1

End Date : September 30

Start Time : Midnight

End Time : 11 PM

Frequency Distribution
(Count)

Wind Direction (Blowing From) / Wind Speed (m/s)

	0.51-2.06	2.06-3.60	3.60-5.66	5.66-8.75	8.75-10.80	>10.80	Total
N	64	133	108	34	0	0	339
NNE	32	63	81	13	0	0	189
NE	11	43	21	1	0	0	76
ENE	7	16	4	0	0	0	27
E	9	9	2	0	0	0	20
ESE	5	6	0	0	0	0	11
SE	5	5	0	0	0	0	10
SSE	8	6	0	0	0	0	14
S	10	7	1	0	0	0	18
SSW	11	1	0	0	0	0	12
SW	8	4	0	1	1	0	14
WSW	27	4	3	3	0	0	37
W	63	23	3	2	0	0	91
WNW	55	77	4	0	0	0	136
NW	67	209	76	10	0	0	362
NNW	91	282	212	52	3	0	640
Total	473	888	515	116	4	0	

Frequency of Calm Winds : 212

Average Wind Speed : 2.91 m/s

Station ID : 23110

RUN ID :

Years : 1968

Start Date : July 1

End Date : September 30

Start Time : Midnight

End Time : 11 PM

Frequency Distribution
(Normalized)

Wind Direction (Blowing From) / Wind Speed (m/s)

	0.51-2.06	2.06-3.60	3.60-5.66	5.66-8.75	8.75-10.80	>10.80	Total
N	0.028986	0.060236	0.048913	0.015399	0.000000	0.000000	0.153533
NNE	0.014493	0.028533	0.036685	0.005888	0.000000	0.000000	0.085598
NE	0.004982	0.019475	0.009511	0.000453	0.000000	0.000000	0.034420
ENE	0.003170	0.007246	0.001812	0.000000	0.000000	0.000000	0.012228
E	0.004076	0.004076	0.000906	0.000000	0.000000	0.000000	0.009058
ESE	0.002264	0.002717	0.000000	0.000000	0.000000	0.000000	0.004982
SE	0.002264	0.002264	0.000000	0.000000	0.000000	0.000000	0.004529
SSE	0.003623	0.002717	0.000000	0.000000	0.000000	0.000000	0.006341
S	0.004529	0.003170	0.000453	0.000000	0.000000	0.000000	0.008152
SSW	0.004982	0.000453	0.000000	0.000000	0.000000	0.000000	0.005435
SW	0.003623	0.001812	0.000000	0.000453	0.000453	0.000000	0.006341
WSW	0.012228	0.001812	0.001359	0.001359	0.000000	0.000000	0.016757
W	0.028533	0.010417	0.001359	0.000906	0.000000	0.000000	0.041214
WNW	0.024909	0.034873	0.001812	0.000000	0.000000	0.000000	0.061594
NW	0.030344	0.094656	0.034420	0.004529	0.000000	0.000000	0.163949
NNW	0.041214	0.127717	0.096014	0.023551	0.001359	0.000000	0.289855
Total	0.214221	0.402174	0.233243	0.052536	0.001812	0.000000	

Frequency of Calm Winds : 9.60%

Average Wind Speed : 2.91 m/s

Station ID : 23110

RUN ID :

Years : 1968

Start Date : October 1

End Date : December 31

Start Time : Midnight

End Time : 11 PM

Frequency Distribution
(Count)

Wind Direction (Blowing From) / Wind Speed (m/s)

	0.51-2.06	2.06-3.60	3.60-5.66	5.66-8.75	8.75-10.80	>10.80	Total
N	57	73	59	28	2	1	220
NNE	36	38	14	5	0	0	93
NE	29	21	5	0	0	0	55
ENE	16	15	2	0	0	0	33
E	39	15	4	0	0	0	58
ESE	34	27	9	4	0	0	74
SE	54	44	30	3	0	0	131
SSE	48	51	23	2	0	0	124
S	42	37	13	4	0	0	96
SSW	25	17	9	1	1	0	53
SW	26	11	5	3	1	0	46
WSW	23	13	2	3	0	0	41
W	50	18	1	1	0	0	70
WNW	42	27	2	1	0	0	72
NW	55	73	21	7	0	0	156
NNW	49	109	85	22	2	0	267
Total	625	589	284	84	6	1	

Frequency of Calm Winds : 619

Average Wind Speed : 2.56 m/s

Station ID : 23110

RUN ID :

Years : 1968

Start Date : October 1

End Date : December 31

Start Time : Midnight

End Time : 11 PM

Frequency Distribution
(Normalized)

Wind Direction (Blowing From) / Wind Speed (m/s)

	0.51-2.06	2.06-3.60	3.60-5.66	5.66-8.75	8.75-10.80	>10.80	Total
N	0.025815	0.033062	0.026721	0.012681	0.000906	0.000453	0.099638
NNE	0.016304	0.017210	0.006341	0.002264	0.000000	0.000000	0.042120
NE	0.013134	0.009511	0.002264	0.000000	0.000000	0.000000	0.024909
ENE	0.007246	0.006793	0.000906	0.000000	0.000000	0.000000	0.014946
E	0.017663	0.006793	0.001812	0.000000	0.000000	0.000000	0.026268
ESE	0.015399	0.012228	0.004076	0.001812	0.000000	0.000000	0.033514
SE	0.024457	0.019928	0.013587	0.001359	0.000000	0.000000	0.059330
SSE	0.021739	0.023098	0.010417	0.000906	0.000000	0.000000	0.056159
S	0.019022	0.016757	0.005888	0.001812	0.000000	0.000000	0.043478
SSW	0.011322	0.007699	0.004076	0.000453	0.000453	0.000000	0.024004
SW	0.011775	0.004982	0.002264	0.001359	0.000453	0.000000	0.020833
WSW	0.010417	0.005888	0.000906	0.001359	0.000000	0.000000	0.018569
W	0.022645	0.008152	0.000453	0.000453	0.000000	0.000000	0.031703
WNW	0.019022	0.012228	0.000906	0.000453	0.000000	0.000000	0.032609
NW	0.024909	0.033062	0.009511	0.003170	0.000000	0.000000	0.070652
NNW	0.022192	0.049366	0.038496	0.009964	0.000906	0.000000	0.120924
Total	0.283062	0.266757	0.128623	0.038043	0.002717	0.000453	

Frequency of Calm Winds : 28.03%

Average Wind Speed : 2.56 m/s

Station ID : 23110

RUN ID :

Years : 1968

Start Date : January 1

End Date : December 31

Start Time : Midnight

End Time : 11 PM

Frequency Distribution
(Count)

Wind Direction (Blowing From) / Stability Classes

	A	B	C	D	E	F	Total
N	41	165	216	304	107	127	960
NNE	28	103	127	130	29	29	446
NE	18	54	50	38	19	9	188
ENE	11	20	29	32	10	16	118
E	12	37	27	42	19	33	170
ESE	2	30	25	70	32	47	206
SE	4	32	47	146	43	57	329
SSE	2	26	29	119	33	60	269
S	1	21	17	81	23	65	208
SSW	6	4	10	40	12	59	131
SW	1	8	7	29	19	73	137
WSW	9	11	3	24	26	153	226
W	7	12	10	31	52	246	358
WNW	19	33	24	61	75	269	481
NW	27	96	115	241	292	415	1186
NNW	42	214	296	551	344	348	1795
Total	230	866	1032	1939	1135	2006	

Frequency of Calm Winds : 1576

Average Wind Speed : 2.94 m/s

Station ID : 23110

Years : 1968

Start Date : January 1

Start Time : Midnight

RUN ID :

End Date : December 31

End Time : 11 PM

Frequency Distribution
(Normalized)

Wind Direction (Blowing From) / Stability Classes

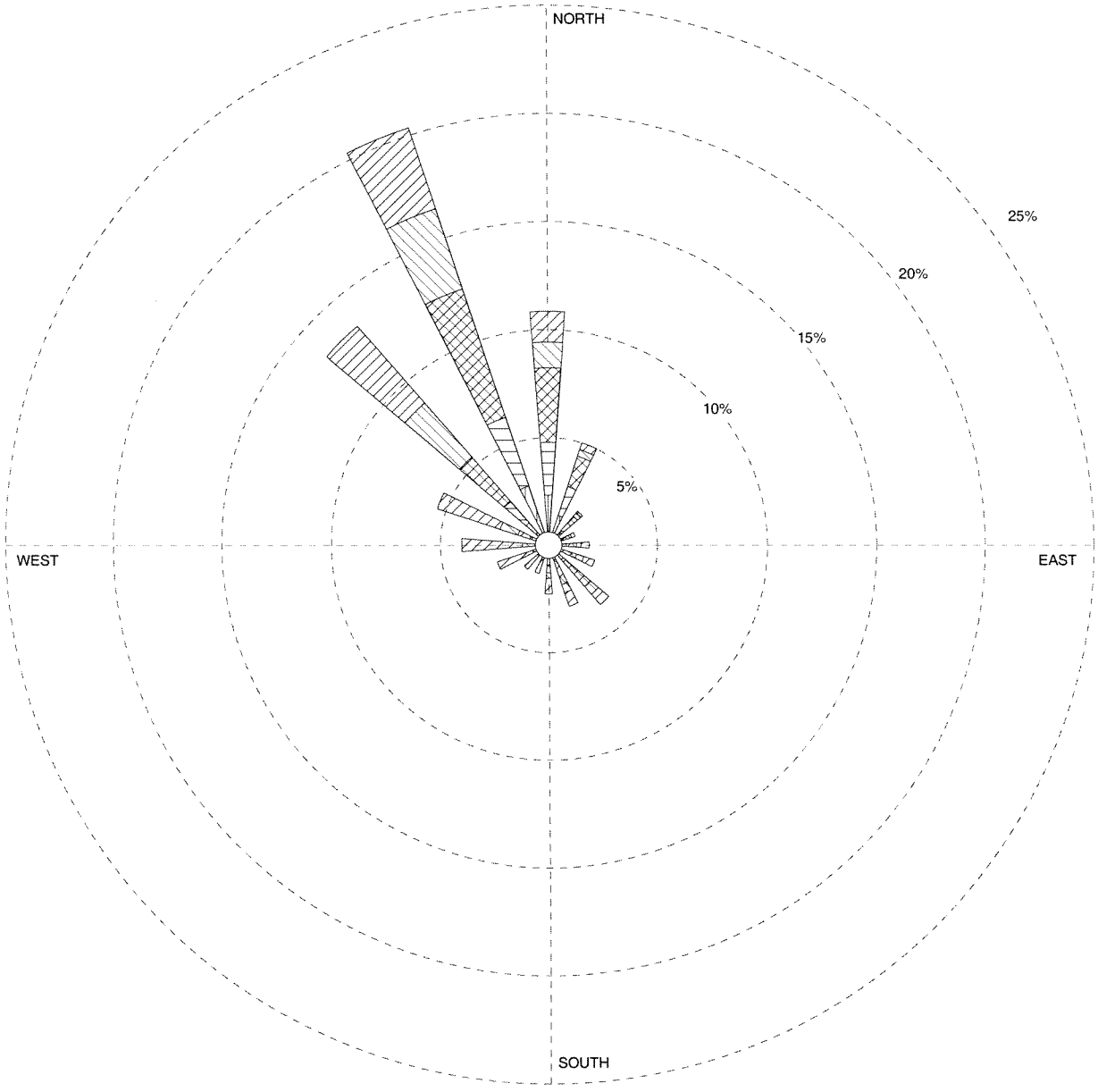
	A	B	C	D	E	F	Total
N	0.004668	0.018784	0.024590	0.034608	0.012181	0.014458	0.109290
NNE	0.003188	0.011726	0.014458	0.014800	0.003301	0.003301	0.050774
NE	0.002049	0.006148	0.005692	0.004326	0.002163	0.001025	0.021403
ENE	0.001252	0.002277	0.003301	0.003643	0.001138	0.001821	0.013434
E	0.001366	0.004212	0.003074	0.004781	0.002163	0.003757	0.019353
ESE	0.000228	0.003415	0.002846	0.007969	0.003643	0.005351	0.023452
SE	0.000455	0.003643	0.005351	0.016621	0.004895	0.006489	0.037454
SSE	0.000228	0.002960	0.003301	0.013547	0.003757	0.006831	0.030624
S	0.000114	0.002391	0.001935	0.009221	0.002618	0.007400	0.023679
SSW	0.000683	0.000455	0.001138	0.004554	0.001366	0.006717	0.014913
SW	0.000114	0.000911	0.000797	0.003301	0.002163	0.008311	0.015597
WSW	0.001025	0.001252	0.000342	0.002732	0.002960	0.017418	0.025729
W	0.000797	0.001366	0.001138	0.003529	0.005920	0.028005	0.040756
WNW	0.002163	0.003757	0.002732	0.006944	0.008538	0.030624	0.054759
NW	0.003074	0.010929	0.013092	0.027436	0.033242	0.047245	0.135018
NNW	0.004781	0.024362	0.033698	0.062728	0.039162	0.039617	0.204349
Total	0.026184	0.098588	0.117486	0.220742	0.129212	0.228370	

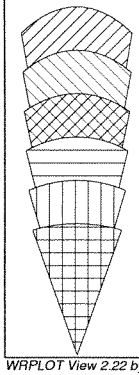
Frequency of Calm Winds : 17.94%

Average Wind Speed : 2.94 m/s

WIND ROSE PLOT

Lemoore





MODELER **vjh**	DATE **8/22/01**	COMPANY NAME **URS Corporation**	
DISPLAY **Stability Classes**	UNIT **N/A**	COMMENTS **Annualy Stability Rose 1968**	
AVG. WIND SPEED **2.94 m/s**	CALM WINDS **17.94%**		
ORIENTATION **Direction (blowing from)**	PLOT YEAR-DATE-TIME **68 January 1 - December 31 Midnight - 11 PM**	PROJECT/PLOT NO.	

WRPLOT View 2.22 by Lakes Environmental Software - www.lakes-environmental.com