



PARKLAND AIRSHED MANAGEMENT ZONE



2005 Annual Report

**Parkland Airshed Management Zone
Air Quality Monitoring Program
2005 Summary Report**

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Parkland Airshed Management Zone - Acme / Grainger (AMS 130)
Annual Summary for 2005
SO2 (ppm)

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)					
								<=0.002	0.002-0.060	0.060-0.110	0.110-0.170	0.170-0.340	>0.340
January													
February													
March													
April													
May													
June	614	99.8	0.0004	0.008	0	0.001	0	95.3	4.7	-	-	-	-
July													
August													
September													
October													
November													
December	590	99.4	0.0001	0.003	0	0.001	0	99.8	0.2				
Annual	1204	99.6	0.0002	0.006	0	0.001	0	97.6	2.5	-	-	-	-

Parkland Airshed Management Zone - Bentley (AMS 110)
Annual Summary for 2005
SO2 (ppm)

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)					
								<=0.002	0.002-0.060	0.060-0.110	0.110-0.170	0.170-0.340	>0.340
January													
February													
March													
April													
May	775	100.0	0.0003	0.006	0	0.001	0	96.6	3.4	-	-	-	-
June													
July													
August													
September													
October													
November	615	99.7	0.0005	0.004	0	0.001	0	91.9	8.1	-	-	-	-
December													
Annual	1390	99.9	0.0004	0.005	0	0.001	0	94.3	5.7	-	-	-	-

Parkland Airshed Management Zone - Caroline (AMS 101)
Annual Summary for 2005
SO2 (ppm)

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)					
								<=0.002	0.002-0.060	0.060-0.110	0.110-0.170	0.170-0.340	>0.340
January	708	100.0	0.0009	0.010	0	0.004	0	81.1	18.9	-	-	-	-
February	639	100.0	0.0006	0.007	0	0.003	0	88.6	11.4	-	-	-	-
March	684	96.5	0.0004	0.007	0	0.002	0	95.0	5.0	-	-	-	-
April	540	78.9	0.0005	0.003	0	0.001	0	92.4	7.6	-	-	-	-
May	708	100.0	0.0004	0.007	0	0.001	0	94.2	5.8	-	-	-	-
June	686	100.0	0.0002	0.004	0	0.001	0	95.0	5.0	-	-	-	-
July	703	100.0	0.0005	0.009	0	0.002	0	92.0	8.0	-	-	-	-
August	705	99.9	0.0003	0.004	0	0.001	0	94.5	5.5	-	-	-	-
September	686	100.0	0.0003	0.009	0	0.001	0	95.8	4.2	-	-	-	-
October	705	99.5	0.0003	0.025	0	0.002	0	96.3	3.7	-	-	-	-
November	685	100.0	0.0003	0.005	0	0.002	0	94.2	5.8	-	-	-	-
December	707	99.7	0.0006	0.008	0	0.003	0	85.9	14.1	-	-	-	-
Annual	8156	97.9	0.0004	0.008	0	0.002	0	92.1	7.9	-	-	-	-

Parkland Airshed Management Zone - Crossfield-Carstairs (AMS 103)
Annual Summary for 2005
SO2 (ppm)

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)					
								<=0.002	0.002-0.060	0.060-0.110	0.110-0.170	0.170-0.340	>0.340
January													
February													
March													
April													
May													
June													
July	260	99.6	0.0008	0.008	0	0.002	0	83.1	16.9	-	-	-	-
August	705	99.7	0.0006	0.017	0	0.002	0	89.2	10.8	-	-	-	-
September	783	100.0	0.0009	0.016	0	0.003	0	80.6	19.4	-	-	-	-
October													
November													
December													
Annual	1748	99.8	0.0008	0.014	0.000	0.002	0.000	84.3	15.7	-	-	-	-

Parkland Airshed Management Zone - James River (AMS 126)
Annual Summary for 2005
SO2 (ppm)

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)					
								<=0.002	0.002-0.060	0.060-0.110	0.110-0.170	0.170-0.340	>0.340
January	612	99.4	0.0009	0.009	0	0.003	0	82.4	17.6	-	-	-	-
February													
March													
April													
May													
June													
July	614	100.0	0.0006	0.006	0	0.002	0	87.6	12.4	-	-	-	-
August													
September													
October													
November													
December													
Annual	1226	99.4	0.0009	0.008	0	0.003	0	82.4	17.6	-	-	-	-

Parkland Airshed Management Zone - Lacombe (AMS 132)
Annual Summary for 2005
SO2 (ppm)

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)					
								<=0.002	0.002-0.006	0.006-0.011	0.011-0.017	0.017-0.034	>0.034
January													
February													
March													
April													
May													
June													
July													
August													
September													
October	587	100.0	0.0012	0.007	0	0.004	0	70.2	29.8	-	-	-	-
November	685	100.0	0.0012	0.010	0	0.003	0	74.3	26.7	-	-	-	-
December	705	99.5	0.0017	0.009	0	0.006	0	50.4	39.6				
Annual	1977	99.8	0.0013	0.009	0	0.004	0	65.0	32.0				

Parkland Airshed Management Zone - Limestone Mountain (AMS 124)
Annual Summary for 2005
SO2 (ppm)

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)					
								<=0.002	0.002-0.060	0.060-0.110	0.110-0.170	0.170-0.340	>0.340
January													
February													
March													
April	536	100.0	0.0001	0.003	0	0.000	0	98.7	1.3	-	-	-	-
May	706	99.6	0.0002	0.011	0	0.002	0	96.7	3.3	-	-	-	-
June	660	95.7	0.0000	0.010	0	0.002	0	98.3	1.7	-	-	-	-
July	401	100.0	0.0000	0.008	0	0.001	0	98.5	1.5	-	-	-	-
August													
September													
October													
November													
December													
Annual	2303	98.8	0.0001	0.008	0	0.001	0	98.1	1.9	-	-	-	-

Parkland Airshed Management Zone - Malmo (AMS 129)
Annual Summary for 2005
SO2 (ppm)

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)					
								<=0.002	0.002-0.060	0.060-0.110	0.110-0.170	0.170-0.340	>0.340
January													
February													
March	495	100.0	0.0010	0.045	0	0.003	0	81.6	18.4	-	-	-	-
April	737	100.0	0.0005	0.006	0	0.002	0	92.5	7.5	-	-	-	-
May													
June													
July													
August													
September	519	100.0	0.0005	0.007	0	0.002	0	91.5	8.5	-	-	-	-
October	877	100.0	0.0008	0.009	0	0.003	0	89.4	10.6	-	-	-	-
November													
December													
Annual	2628	100.0	0.0007	0.017	0	0.003	0	88.8	11.2	-	-	-	-

Parkland Airshed Management Zone - Ponoka (AMS 127)
Annual Summary for 2005
SO2 (ppm)

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)					
								<=0.002	0.002-0.060	0.060-0.110	0.110-0.170	0.170-0.340	>0.340
January	405	100.0	0.0015	0.006	0	0.003	0	66.2	33.8	-	-	-	-
February	633	100.0	0.0021	0.012	0	0.004	0	39.3	60.7	-	-	-	-
March	815	100.0	0.0021	0.014	0	0.005	0	39.6	60.4	-	-	-	-
April													
May													
June													
July													
August													
September													
October													
November													
December													
Annual	1853	100.0	0.0019	0.011	0	0.004	0.000	48.37	51.61	-	-	-	-

Parkland Airshed Management Zone - Red Deer Liberty Park (AMS 128)
Annual Summary for 2005
SO2 (ppm)

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)					
								<=0.002	0.002-0.060	0.060-0.110	0.110-0.170	0.170-0.340	>0.340
January													
February	755	100.0	0.0009	0.010	0	0.003	0	85.4	14.6	-	-	-	-
March													
April													
May													
June													
July													
August	778	100.0	0.0004	0.006	0	0.002	0	96.1	3.9	-	-	-	-
September													
October													
November													
December													
Annual	1533	100.0	0.0006	0.008	0	0.003	0	90.8	9.2	-	-	-	-

Parkland Airshed Management Zone Red Deer - Riverside (AMS 131)
Annual Summary for 2005
SO2 (ppm)

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)					
								<=0.002	0.002-0.060	0.060-0.110	0.110-0.170	0.170-0.340	>0.340
January													
February													
March													
April													
May	730	99.7	0.0004	0.004	0	0.001	0	93.6	6.4	-	-	-	-
June	489	100.0	0.0003	0.003	0	0.001	0	96.5	3.5	-	-	-	-
July	740	100.0	0.0004	0.004	0	0.002	0	95.7	4.3	-	-	-	-
August	733	100.0	0.0004	0.006	0	0.002	0	93.7	6.3	-	-	-	-
September	717	100.0	0.0002	0.004	0	0.001	0	98.3	1.7	-	-	-	-
October	741	100.0	0.0004	0.005	0	0.001	0	95.9	4.1	-	-	-	-
November	715	100.0	0.0005	0.010	0	0.003	0	92.5	7.5	-	-	-	-
December	739	99.7	0.0006	0.005	0	0.002	0	94.9	5.1	-	-	-	-
Annual	5604	99.93	0.0004	0.005	0	0.002	0	95.1	4.9	-	-	-	-

Parkland Airshed Management Zone - Sundre (AMS 125)
Annual Summary for 2005 (Jan. 1 - Jan.14)
SO2 (ppm)

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)					
								<=0.002	0.002-0.060	0.060-0.110	0.110-0.170	0.170-0.340	>0.340
January	280	100.0	0.0015	0.010	0	0.004	0	60.4	39.6	-	-	-	-
February													
March													
April													
May													
June													
July													
August													
September													
October													
November													
December													
Annual	280	100.0	0.0015	0.010	0	0.004	0	60.40	39.60	-	-	-	-

Parkland Airshed Management Zone - Acme / Grainger (AMS 130)
Annual Summary for 2005
TRS (ppm)

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)				
								<=0.002	.002-.003	.004-.010	.011-.050	>.050
January												
February												
March												
April												
May												
June	614	99.8	0.0005	0.007	0	0.001	0	96.7	2.8	0.5	-	-
July												
August												
September												
October												
November												
December	588	99.8	0.0004	0.002	0	0.001	0	98.6	1.4	-	-	-
Annual	1202	99.8	0.0004	0.005	0	0.001	0	97.65	2.1	0.2	-	-

Parkland Airshed Management Zone - Bentley (AMS 110)
Annual Summary for 2005
TRS (ppm)

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)				
								<=0.002	.002-.003	.004-.010	.011-.050	>.050
January												
February												
March												
April												
May	776	100.0	0.0006	0.011	1	0.002	0	90.8	5.5	3.6	0.1	-
June												
July												
August												
September												
October												
November	612	99.7	0.0011	0.013	2	0.004	0	81.4	13.9	4.4	0.3	-
December												
Annual	1388	99.9	0.0008	0.012	3	0.003	0	86.1	9.7	4.0	0.2	-

Parkland Airshed Management Zone - Caroline (AMS 101)
Annual Summary for 2005
TRS (ppm)

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)				
								<=0.02	.002-.003	.004-.010	.011-.050	>.050
January	709	100.0	0.0004	0.001	0	0.001	0	100.0	-	-	-	-
February	640	100.0	0.0002	0.002	0	0.001	0	99.5	0.5	-	-	-
March	684	96.5	0.0002	0.002	0	0.001	0	99.4	0.6	-	-	-
April	540	78.9	0.0002	0.001	0	0.001	0	100.0	-	-	-	-
May	709	100.0	0.0001	0.002	0	0.001	0	99.7	0.3	-	-	-
June	679	100.0	0.0002	0.002	0	0.001	0	99.7	0.3	-	-	-
July	709	100.0	0.0000	0.006	0	0.001	0	99.1	0.6	0.3	-	-
August	707	99.9	0.0000	0.001	0	0.000	0	100.0	-	-	-	-
September	686	100.0	0.0001	0.002	0	0.000	0	99.9	0.1	-	-	-
October	709	100.0	0.0001	0.001	0	0.001	0	100.0	-	-	-	-
November	682	100.0	0.0001	0.002	0	0.001	0	99.9	0.1	-	-	-
December	703	99.3	0.0003	0.006	0	0.001	0	99.3	0.6	0.1	-	-
Annual	8157	97.9	0.0002	0.002	0	0.001	0	99.7	0.4	0.2	-	-

Parkland Airshed Management Zone - Crossfield-Carstairs (AMS 103)
Annual Summary for 2005
TRS (ppm)

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)				
								<=0.002	.002-.003	.004-.010	.011-.050	>.050
January												
February												
March												
April												
May												
June												
July	264	99.6	0.0004	0.002	0	0.001	0	95.1	4.9	-	-	-
August	705	99.6	0.0002	0.006	0	0.001	0	99.0	0.9	0.1	-	-
September	781	100.0	0.0001	0.002	0	0.001	0	99.9	0.1	-	-	-
October												
November												
December												
Annual	1750	99.7	0.0002	0.003	0	0.001	0	98.00	1.97	0.03	-	-

Parkland Airshed Management Zone - James River (AMS 126)
Annual Summary for 2005
TRS (ppm)

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)				
								<=0.002	.002-.003	.004-.010	.011-.050	>.050
January	614	99.4	0.0007	0.002	0	0.001	0	99.0	1.0	-	-	-
February												
March												
April												
May												
June												
July	620	100.0	0.0001	0.001	0	0.000	0	100.0	-	-	-	-
August												
September												
October												
November												
December												
Annual	1234	99.7	0.0004	0.002	0	0.001	0	99.5	0.5	-	-	-

Parkland Airshed Management Zone - Lacombe (AMS 132)
Annual Summary for 2005
TRS (ppm)

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)				
								<=0.002	.002-.003	.004-.010	.011-.050	>.050
January												
February												
March												
April												
May												
June												
July												
August												
September												
October	584	100.0	0.0008	0.004	0	0.002	0	87.5	12.3	0.2	-	-
November	682	99.7	0.0009	0.008	0	0.003	0	82.3	15.8	1.9	-	-
December	705	99.5	0.0015	0.007	0	0.003	0	62.0	33.0	5.0	-	-
Annual	1971	99.7	0.0011	0.006	0	0.003	0	77.27	20.39	2.35	-	-

Parkland Airshed Management Zone - Limestone Mountain (AMS 124)
Annual Summary for 2005
TRS (ppm)

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)				
								<=0.002	.002-.003	.004-.010	.011-.050	>.050
January												
February												
March												
April	535	100.0	0.0000	0.001	0	0.000	0	100.0	-	-	-	-
May	687	97.0	0.0000	0.001	0	0.000	0	100.0	-	-	-	-
June	659	95.6	0.0000	0.002	0	0.001	0	99.7	0.3	-	-	-
July	403	100.0	0.0000	0.002	0	0.000	0	99.8	0.2	-	-	-
August												
September												
October												
November												
December												
Annual	2284	98.2	0.0000	0.002	0	0.000	0	99.9	0.1	-	-	-

Parkland Airshed Management Zone - Malmo (AMS 129)
Annual Summary for 2005
TRS (ppm)

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)				
								<=0.002	.002-.003	.004-.010	.011-.050	>.050
January												
February												
March	497	100.0	0.0002	0.003	0	0.001	0	99.8	0.2	-	-	-
April	737	100.0	0.0001	0.002	0	0.001	0	99.6	0.4	-	-	-
May												
June												
July												
August												
September	521	100.0	0.0003	0.001	0	0.001	0	100.0	-	-	-	-
October	876	100.0	0.0002	0.002	0	0.001	0	99.9	0.1	-	-	-
November												
December												
Annual	2631	100.0	0.0002	0.002	0	0.001	0	99.8	0.2	-	-	-

Parkland Airshed Management Zone - Ponoka (AMS 127)
Annual Summary for 2005
TRS (ppm)

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)				
								<=0.002	.002-.003	.004-.010	.011-.050	>.050
January	403	100.0	0.0005	0.003	0	0.001	0	94.3	5.7	-	-	-
February	640	100.0	0.0001	0.003	0	0.001	0	98.6	1.4	-	-	-
March	821	100.0	0.0001	0.002	0	0.001	0	99.6	0.4	-	-	-
April												
May												
June												
July												
August												
September												
October												
November												
December												
Annual	1864	100.0	0.0002	0.003	0	0.001	0	97.5	2.5	-	-	-

Parkland Airshed Management Zone - Red Deer Liberty Park (AMS 128)
Annual Summary for 2005
TRS (ppm)

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)					
								<=0.002	.002-.003	.004-.010	.011-.050	>.050	
January													
February	755	100.0	0.0002	0.002	0	0.001	0	98.7	1.3	-	-	-	
March													
April													
May													
June													
July													
August	774	100.0	0.0003	0.001	0	0.001	0	100.0	-	-	-	-	
September													
October													
November													
December													
Annual	1529	100.0	0.0002	0.002	0	0.001	0	99.3	0.7	-	-	-	

Parkland Airshed Management Zone Red Deer - Riverside (AMS 131)
Annual Summary for 2005
H2S (ppm)

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)				
								<=0.002	.002-.003	.004-.010	.011-.050	>.050
January												
February												
March												
April												
May	730	99.9	0.0003	0.002	0	0.001	0	98.9	1.1	-	-	-
June	489	100.0	0.0002	0.002	0	0.001	0	98.6	1.4	-	-	-
July	740	100.0	0.0003	0.003	0	0.001	0	98.6	1.4	-	-	-
August	733	100.0	0.0003	0.004	0	0.001	0	98.9	1.0	0.1	-	-
September	717	100.0	0.0003	0.004	0	0.001	0	97.2	2.7	0.1	-	-
October	741	100.0	0.0005	0.005	0	0.001	0	97.8	1.9	0.3	-	-
November	715	100.0	0.0006	0.003	0	0.002	0	94.8	5.2	-	-	-
December	734	99.2	0.0007	0.005	0	0.002	0	94.1	5.6	0.3	-	-
Annual	5599	99.89	0.0004	0.004	0	0.001	0	97.36	2.51	0.20	-	-

Parkland Airshed Management Zone - Sundre (AMS 125)
Annual Summary for 2005 (Jan. 1 - Jan.14)
TRS (ppm)

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)				
								<=0.02	.002-.003	.004-.010	.011-.050	>.050
January	283	100.0	0.0004	0.001	0	0.001	0	100.0	-	-	-	-
February												
March												
April												
May												
June												
July												
August												
September												
October												
November												
December												
Annual	283	100.0	0.0004	0.001	0	0.001	0	100.00	-	-	-	-

Parkland Airshed Management Zone - Acme / Grainger (AMS 130)
Annual Summary for 2005
NO2 (ppm)

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)				
								<=0.002	0.002-0.050	0.051-.110	0.110-0.210	>210
January												
February												
March												
April												
May												
June	612	99.8	0.0019	0.015	0	0.005	0	55.6	44.4	-	-	-
July												
August												
September												
October												
November												
December	585	99.8	0.0028	0.019	0	0.010	0	55.6	44.4	-	-	-
Annual	1197	99.8	0.0023	0.017	0	0.008	0	55.6	44.4	-	-	-

Parkland Airshed Management Zone - Bentley (AMS 110)
Annual Summary for 2005
NO2 (ppm)

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)				
								<=0.002	0.002-0.050	0.051-.110	0.110-0.210	>210
January												
February												
March												
April												
May	772	100.0	0.003	0.017	0	0.008	0	43.8	56.2	-	-	-
June												
July												
August												
September												
October												
November	610	99.5	0.006	0.025	0	0.018	0	17.4	82.6	-	-	-
December												
Annual	1382	99.8	0.004	0.021	0	0.013	0	30.6	69.4	-	-	-

Parkland Airshed Management Zone - Caroline (AMS 101)
Annual Summary for 2005
NO2 (ppm)

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)				
								<=0.002	0.002-0.050	0.051-.110	0.110-0.210	>210
January	706	100.0	0.0054	0.026	0	0.014	0	17.9	83.1	-	-	-
February	636	100.0	0.0025	0.016	0	0.006	0	38.2	61.8	-	-	-
March	685	100.0	0.0019	0.011	0	0.005	0	49.9	50.1	-	-	-
April	650	96.3	0.0002	0.011	0	0.007	0	56.9	43.1	-	-	-
May	693	100.0	0.0015	0.012	0	0.004	0	70.0	30.0	-	-	-
June	684	100.0	0.0018	0.009	0	0.003	0	46.1	53.9	-	-	-
July	705	99.9	0.0016	0.006	0	0.004	0	56.5	43.5	-	-	-
August	703	99.9	0.0017	0.007	0	0.003	0	51.9	48.1	-	-	-
September	683	100.0	0.0021	0.009	0	0.004	0	40.4	59.6	-	-	-
October	707	100.0	0.0034	0.017	0	0.009	0	26.0	74.0	-	-	-
November	683	100.0	0.0039	0.017	0	0.010	0	18.3	81.7	-	-	-
December	705	99.7	0.0044	0.030	0	0.011	0	15.0	85.0	-	-	-
Annual	8240	99.7	0.0025	0.014	0	0.007	0	40.6	59.5	-	-	-

Parkland Airshed Management Zone - Crossfield-Carstairs (AMS 103)
Annual Summary for 2005
NO2 (ppm)

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)				
								<=0.002	0.002-0.050	0.051-.110	0.110-0.210	>210
January												
February												
March												
April												
May												
June												
July	262	99.6	0.0024	0.014	0	0.005	0	48.1	51.9	-	-	-
August	703	99.7	0.0039	0.019	0	0.008	0	29.7	70.3	-	-	-
September	776	100.0	0.0047	0.022	0	0.008	0	22.7	77.3	-	-	-
October												
November												
December												
Annual	1741	99.8	0.0037	0.018	0	0.007	0	33.5	66.5	-	-	-

Parkland Airshed Management Zone - James River (AMS 126)
Annual Summary for 2005
NO2 (ppm)

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)				
								<=0.002	0.002-0.050	0.051-.110	0.110-0.210	>210
January	610	99.4	0.0007	0.033	0	0.014	0	8.7	91.3	-	-	-
February												
March												
April												
May												
June												
July	617	100.0	0.0003	0.005	0	0.002	0	91.1	8.9	-	-	-
August												
September												
October												
November												
December												
Annual	1227	99.7	0.0005	0.019	0	0.008	0	49.9	50.1	-	-	-

Parkland Airshed Management Zone - Lacombe (AMS 132)
Annual Summary for 2005
NO2 (ppm)

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)				
								<=0.002	0.002-0.050	0.051-.110	0.110-0.210	>210
January												
February												
March												
April												
May												
June												
July												
August												
September												
October	584	100.0	0.0309	0.040	0	0.021	0	2.1	97.9	-	-	-
November	614	90.0	0.0147	0.054	0	0.023	0	2.2	97.6	0.2	-	-
December	695	98.5	0.0188	0.043	0	0.033	0	2.3	97.7	-	-	-
Annual	1893	96.2	0.0215	0.046	0	0.026	0	2.2	97.7	-	-	-

Parkland Airshed Management Zone - Limestone Mountain (AMS 124)
Annual Summary for 2005
NO2 (ppm)

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)				
								<=0.002	0.002-0.050	0.051-.110	0.110-0.210	>210
January												
February												
March												
April	535	100.0	0.0003	0.005	0	0.001	0	97.0	3.0	-	-	-
May	704	99.5	0.0007	0.004	0	0.002	0	87.6	12.4	-	-	-
June	660	95.7	0.0005	0.003	0	0.002	0	95.6	4.4	-	-	-
July	401	100.0	0.0002	0.004	0	0.001	0	96.3	3.7	-	-	-
August												
September												
October												
November												
December												
Annual	2300	98.8	0.0004	0.004	0	0.002	0	94.1	5.9	-	-	-

Parkland Airshed Management Zone - Malmo (AMS 129)
Annual Summary for 2005
NO2 (ppm)

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)				
								<=0.002	0.002-0.050	0.051-.110	0.110-0.210	>210
January												
February												
March	493	100.0	0.0031	0.037	0	0.008	0	29.8	70.2	-	-	-
April	732	100.0	0.0010	0.014	0	0.003	0	74.9	25.1	-	-	-
May												
June												
July												
August												
September	483	100.0	0.0041	0.044	0	0.028	0	25.1	74.9	-	-	-
October	871	100.0	0.0049	0.021	0	0.014	0	22.0	78.0	-	-	-
November												
December												
Annual	2579	100.0	0.0033	0.029	0	0.013	0	38.0	62.1	-	-	-

Parkland Airshed Management Zone - Ponoka (AMS 127)
Annual Summary for 2005
NO2 (ppm)

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)				
								<=0.002	0.002-0.050	0.051-.110	0.110-0.210	>210
January	404	100.0	0.0213	0.039	0	0.027	0	11.1	86.9	2.0	-	-
February	638	100.0	0.0250	0.058	0	0.039	0	0.0	98.4	1.6	-	-
March	821	100.0	0.0146	0.056	0	0.040	0	4.1	95.4	0.5	-	-
April												
May												
June												
July												
August												
September												
October												
November												
December												
Annual	1863	100.0	0.0203	0.051	0	0.035	0	5.1	93.6	1.4	-	-

Parkland Airshed Management Zone - Red Deer Liberty Park (AMS 128)
Annual Summary for 2005
NO2 (ppm)

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)				
								<=0.002	0.002-0.050	0.051-.110	0.110-0.210	>210
January												
February	754	100.0	0.0017	0.051	0	0.030	0	4.7	95.2	0.1	-	-
March												
April												
May												
June												
July												
August	771	100.0	0.0060	0.023	0	0.011	0	12.5	87.5	-	-	-
September												
October												
November												
December												
Annual	1525	100.0	0.0038	0.037	0	0.021	0	8.6	91.4	0.05	-	-

**Parkland Airshed Management Zone Red Deer - Riverside (AMS 131)
Annual Summary for 2005
NO2 (ppm)**

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)				
								<=0.002	0.002-0.050	0.051-.110	0.110-0.210	>210
January												
February												
March												
April												
May	722	99.7	0.0070	0.026	0	0.013	0	1.5	98.5	-	-	-
June	484	100.0	0.0070	0.028	0	0.012	0	3.1	96.9	-	-	-
July	738	100.0	0.0061	0.024	0	0.010	0	6.1	93.9	-	-	-
August	731	100.0	0.0073	0.022	0	0.012	0	2.5	97.5	-	-	-
September	714	99.9	0.0096	0.029	0	0.017	0	1.5	98.5	-	-	-
October	740	100.0	0.0118	0.033	0	0.023	0	1.5	98.5	-	-	-
November	711	100.0	0.0170	0.041	0	0.029	0	0.0	100.0	-	-	-
December	737	99.7	0.0215	0.042	0	0.034	0	0.1	99.9			
Annual	5577	99.91	0.0109	0.031	0	0.019	0	2.0	98.0	-	-	-

Parkland Airshed Management Zone - Sundre (AMS 125)
Annual Summary for 2005 (Jan. 1 - Jan.14)
NO2 (ppm)

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)				
								<=0.002	0.002-0.050	0.051-.110	0.110-0.210	>210
January	282	100.0	0.0163	0.051	0	0.027	0	0.8	98.9	0.4	-	-
February												
March												
April												
May												
June												
July												
August												
September												
October												
November												
December												
Annual	282	100.0	0.0163	0.051	0	0.027	0	0.8	98.9	0.4	-	-

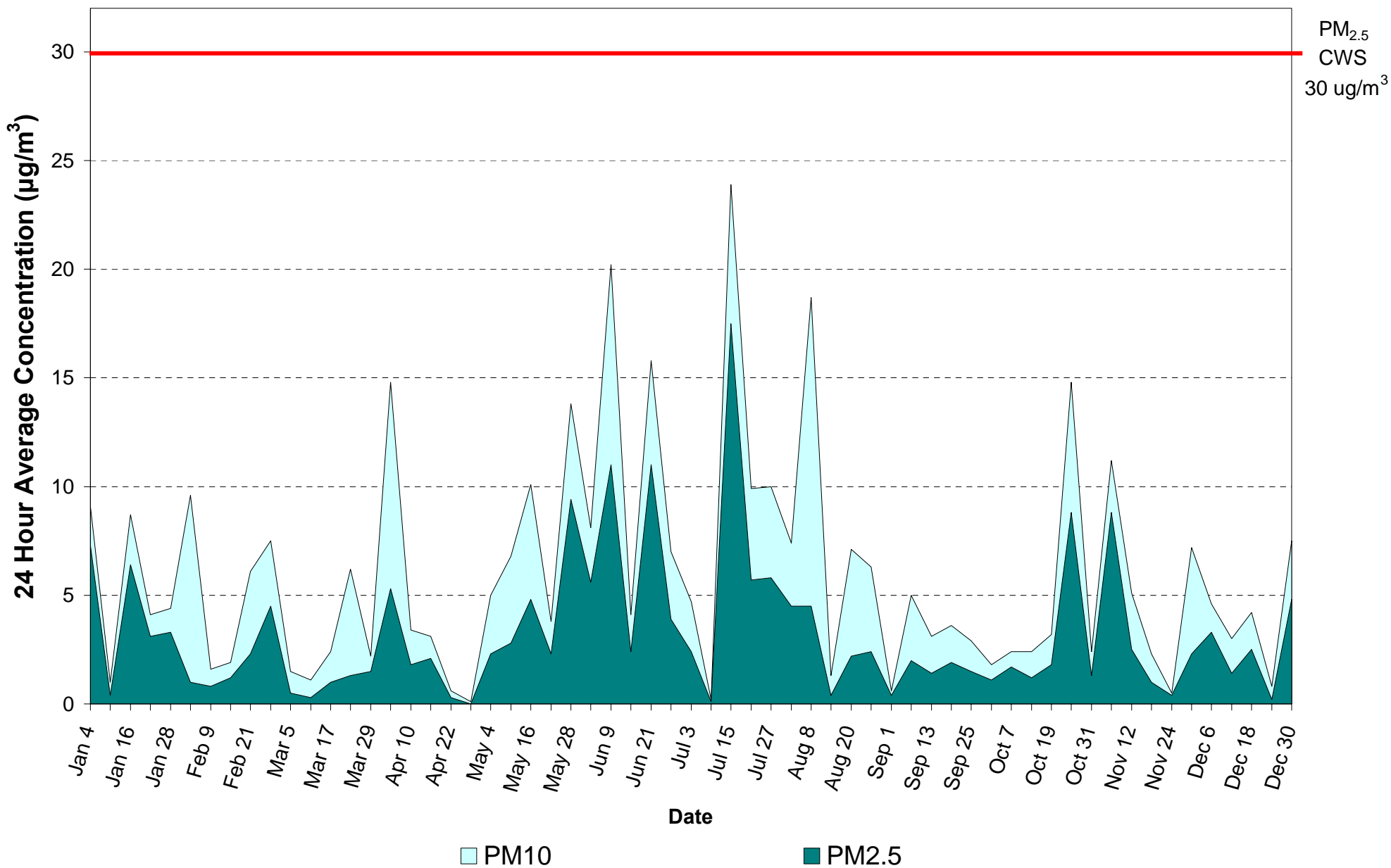
Parkland Airshed Management Zone - Bentley (AMS 110)
Annual Summary for 2005
NH3 (ppm)

Month	Number of Data	Operational Time (%)	Mean (ppm)	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations	Percent of Data in each Concentration Range (ppm)		
								< 1.0	1.1 - 2.0	> 2.0
January										
February										
March										
April										
May	752	100.0	0.00	0.001	0	0.000	0	100.0	0.0	0.0
June										
July										
August										
September										
October										
November	606	99.9	0.01	0.660	0	0.080	0	100.0	0.0	0.0
December										
Annual	1358	99.95	0.01	0.331	0	0.040	0	100.0	0.0	0.0

Particulate Sampling Results - Caroline - 2005

	PM _{2.5}	PM ₁₀
Jan 4	7.3	9.1
Jan 10	0.4	1.0
Jan 16	6.4	8.7
Jan 22	3.1	4.1
Jan 28	3.3	4.4
Feb 3	1.0	9.6
Feb 9	0.8	1.6
Feb 15	1.2	1.9
Feb 21	2.3	6.1
Feb 27	4.5	7.5
Mar 5	0.5	1.5
Mar 11	0.3	1.1
Mar 17	1.0	2.4
Mar 23	1.3	6.2
Mar 29	1.5	2.2
Apr 04	5.3	14.8
Apr 10	1.8	3.4
Apr 16	2.1	3.1
Apr 22	0.3	0.6
Apr 28	0.0	0.1
May 4	2.3	5.0
May 10	2.8	6.8
May 16	4.8	10.1
May 22	2.3	3.8
May 28	9.4	13.8
Jun 3	5.6	8.1
Jun 9	11.0	20.2
Jun 15	2.4	4.1
Jun 21	11.0	15.8
Jun 27	3.9	7.0
Jul 3	2.4	4.7
Jul 9	0.1	0.2
Jul 15	17.5	23.9
Jul 21	5.7	9.9
Jul 27	5.8	10.0
Aug 2	4.5	7.4
Aug 8	4.5	18.7
Aug 14	0.4	1.3
Aug 20	2.2	7.1
Aug 26	2.4	6.3
Sep 1	0.4	0.6
Sep 7	2.0	5.0
Sep 13	1.4	3.1
Sep 19	1.9	3.6
Sep 25	1.5	2.9
Oct 1	1.1	1.8
Oct 7	1.7	2.4
Oct 13	1.2	2.4
Oct 19	1.8	3.2
Oct 25	8.8	14.8
Oct 31	1.3	2.4
Nov 6	8.8	11.2
Nov 12	2.5	5.1
Nov 18	1.0	2.3
Nov 24	0.4	0.5
Nov 30	2.3	7.2
Dec 6	3.3	4.6
Dec 12	1.4	3.0
Dec 18	2.5	4.2
Dec 24	0.2	0.8
Dec 30	4.8	7.5
Maximum	17.5	23.9
Minimum	0.0	0.1
Average	3.2	5.9

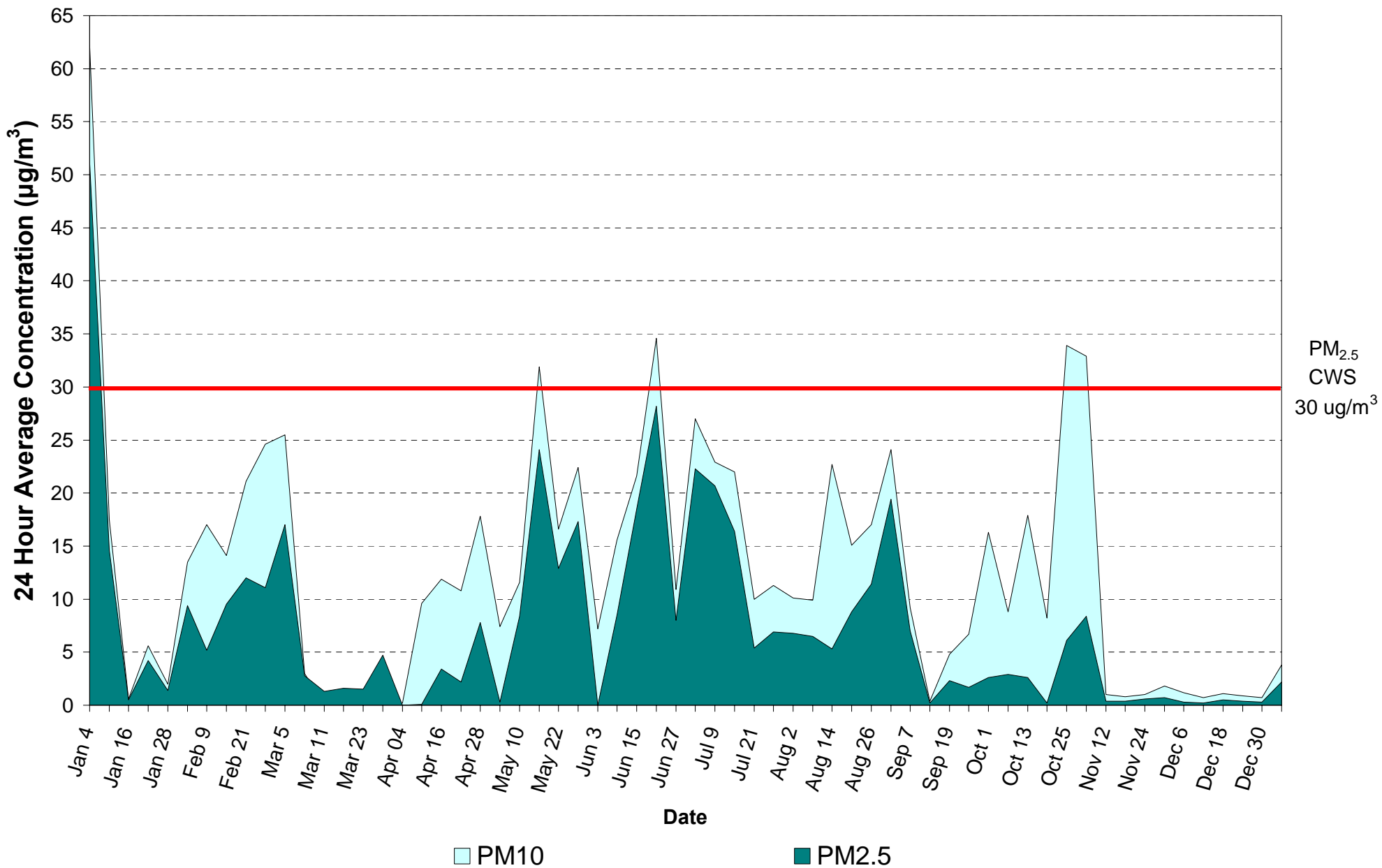
Inhalable & Respirable Particulate - Caroline - 2005



Particulate Sampling Results - Peregrine - 2005

	PM _{2.5}	PM ₁₀	Location
Jan 4	51.2	62.2	James River
Jan 10	14.6	17.5	James River
Jan 16	0.5	0.6	James River
Jan 22	4.2	5.6	James River
Jan 28	1.4	2.0	James River
Feb 3	9.4	13.5	Liberty Park
Feb 9	5.2	17.0	Liberty Park
Feb 15	9.5	14.1	Liberty Park
Feb 21	12.0	21.1	Liberty Park
Feb 27	11.1	24.6	Liberty Park
Mar 5	17.0	25.5	Liberty Park
Mar 6	2.8	3.0	Malmo
Mar 11	1.3	NA	Malmo
Mar 17	1.6	NA	Malmo
Mar 23	1.5	NA	Malmo
Mar 29	4.7	NA	Malmo
Apr 04	0.0	0.2	Malmo
Apr 10	0.1	9.6	Malmo
Apr 16	3.4	11.9	Malmo
Apr 22	2.2	10.8	Malmo
Apr 28	7.8	17.8	Malmo
May 4	0.3	7.4	Bentley
May 10	8.4	11.6	Bentley
May 16	24.1	31.9	Bentley
May 22	12.9	16.6	Bentley
May 28	17.3	22.4	Bentley
Jun 3	NA	7.2	Bentley
Jun 9	8.5	15.6	Acme-Grainger
Jun 15	18.5	21.6	Acme-Grainger
Jun 21	28.2	34.6	Acme-Grainger
Jun 27	8.0	10.9	Acme-Grainger
Jul 3	22.3	27.0	Acme-Grainger
Jul 9	20.7	22.9	James River
Jul 15	16.4	22.0	James River
Jul 21	5.4	10.0	James River
Jul 27	6.9	11.3	James River
Aug 2	6.8	10.1	James River
Aug 8	6.5	9.9	Liberty Park
Aug 14	5.3	22.7	Liberty Park
Aug 20	8.8	15.1	Liberty Park
Aug 26	11.4	17.0	Liberty Park
Sep 1	19.4	24.1	Liberty Park
Sep 7	7.0	9.2	Liberty Park
Sep 13	0.2	0.4	Malmo
Sep 19	2.3	4.8	Malmo
Sep 25	1.7	6.7	Malmo
Oct 1	2.6	16.3	Malmo
Oct 7	2.9	8.8	Malmo
Oct 13	2.6	17.9	Malmo
Oct 19	0.2	8.2	Malmo
Oct 25	6.1	33.9	Malmo
Oct 31	8.4	32.9	Malmo
Nov 12	0.4	1.0	Bentley
Nov 18	0.4	0.8	Bentley
Nov 24	0.6	1.0	Bentley
Nov 30	0.7	1.8	Bentley
Dec 6	0.3	1.2	Bentley
Dec 12	0.2	0.7	Acme-Grainger
Dec 18	0.5	1.1	Acme-Grainger
Dec 24	0.4	0.9	Acme-Grainger
Dec 30	0.3	0.7	Acme-Grainger
Jan 5	2.2	3.8	Acme-Grainger
Maximum	51.2	62.2	
Minimum	0.0	0.2	
Average	7.5	13.5	

Inhalable & Respirable Particulate - Peregrine - 2005

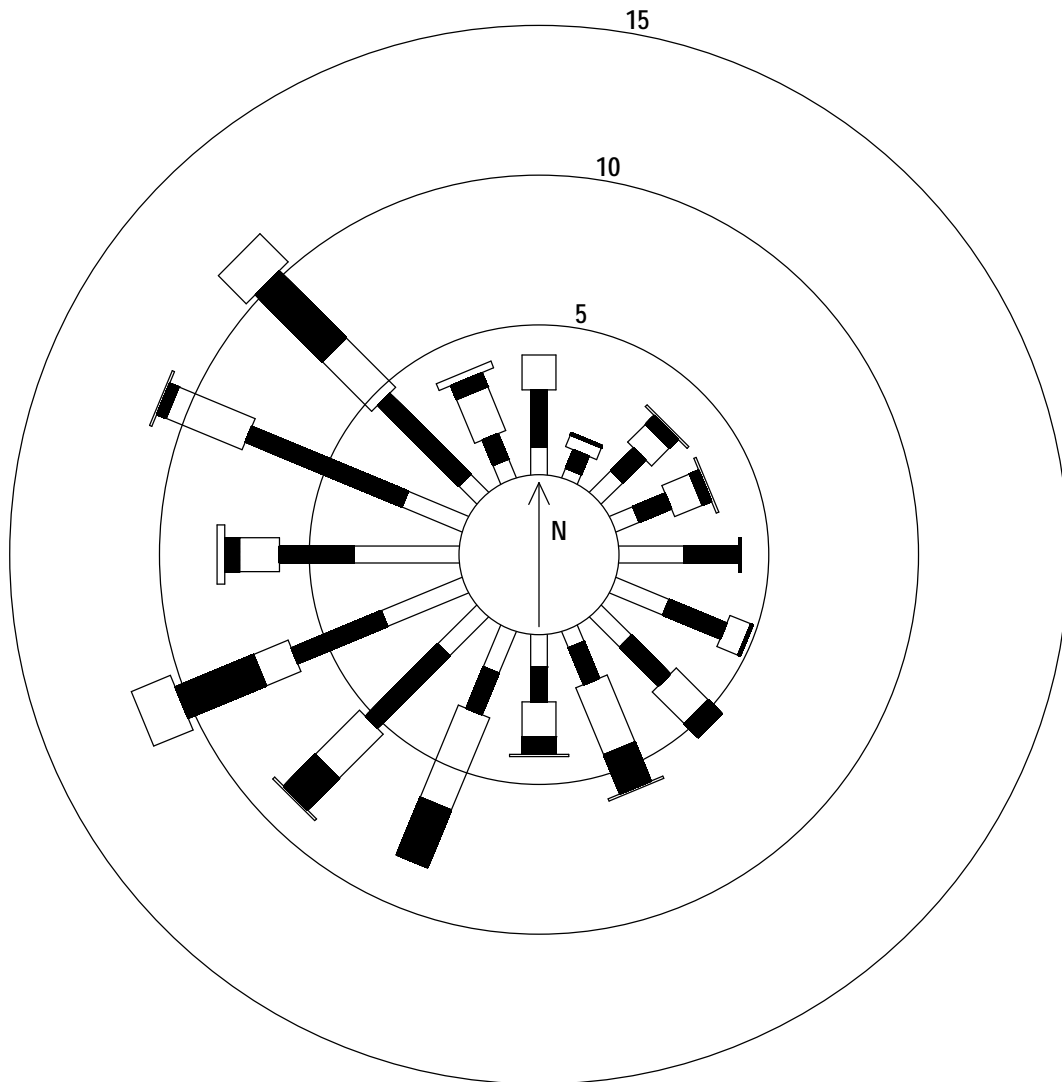
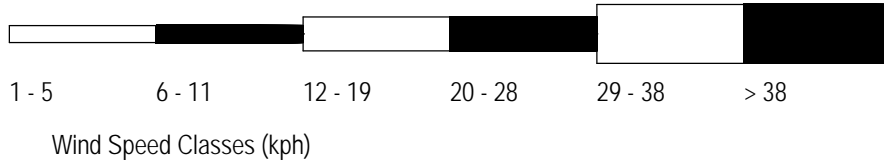


Parkland Airshed Management Zone Red Deer - Riverside (AMS 131)
Annual Summary for 2005
PM2.5 ug/m³

Month	Number of Data	Operational Time (%)	Mean	Maximum 1-Hour Value	Number 1-Hour Violations	Maximum 24-Hour Value	Number 24-Hour Violations
January							
February							
March							
April							
May	740	99.9	4.44	29.0	NA	9.2	0
June	490	100.0	4.05	18.0	NA	9.9	0
July	744	100.0	3.65	24.0	NA	6.5	0
August	739	100.0	5.48	34.0	NA	19.2	0
September	720	100.0	3.31	39.0	NA	5.8	0
October	743	99.9	3.90	19.0	NA	8.6	0
November	720	100.0	4.82	34.0	NA	11.3	0
December	734	100.0	4.77	19.0	NA	14.2	0
Annual	5630	99.98	4.30	27.00	-	10.59	-

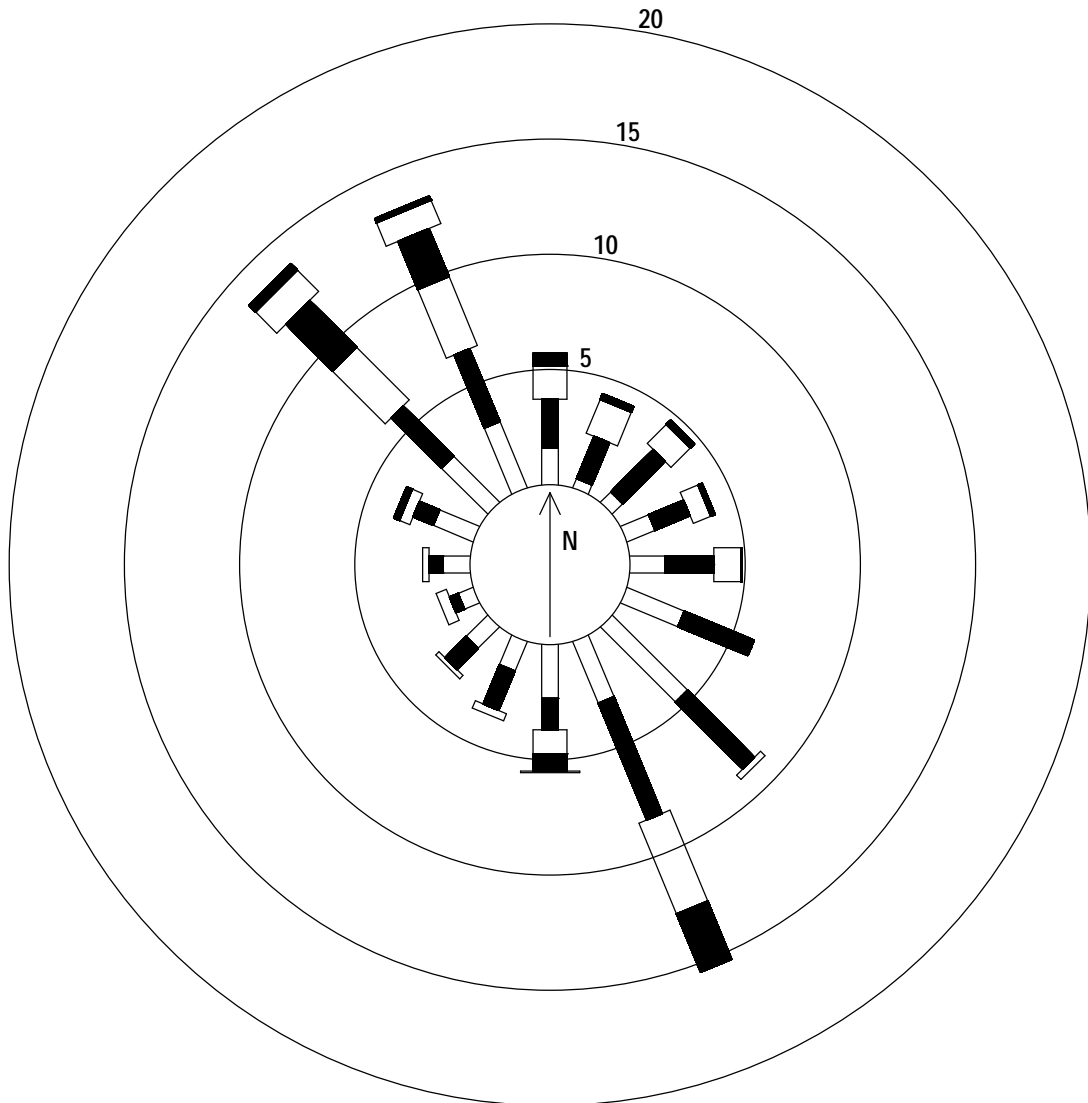
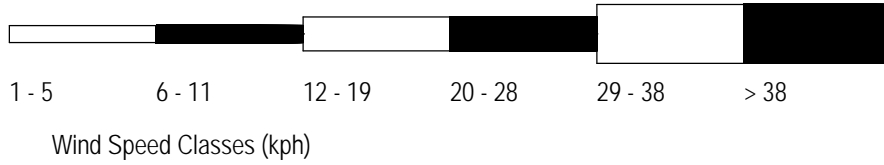
Parkland Airshed Management Zone

Acme-Grainger - Wind Speed - January 1, 2005 00:00 to January 1, 2006 00:00



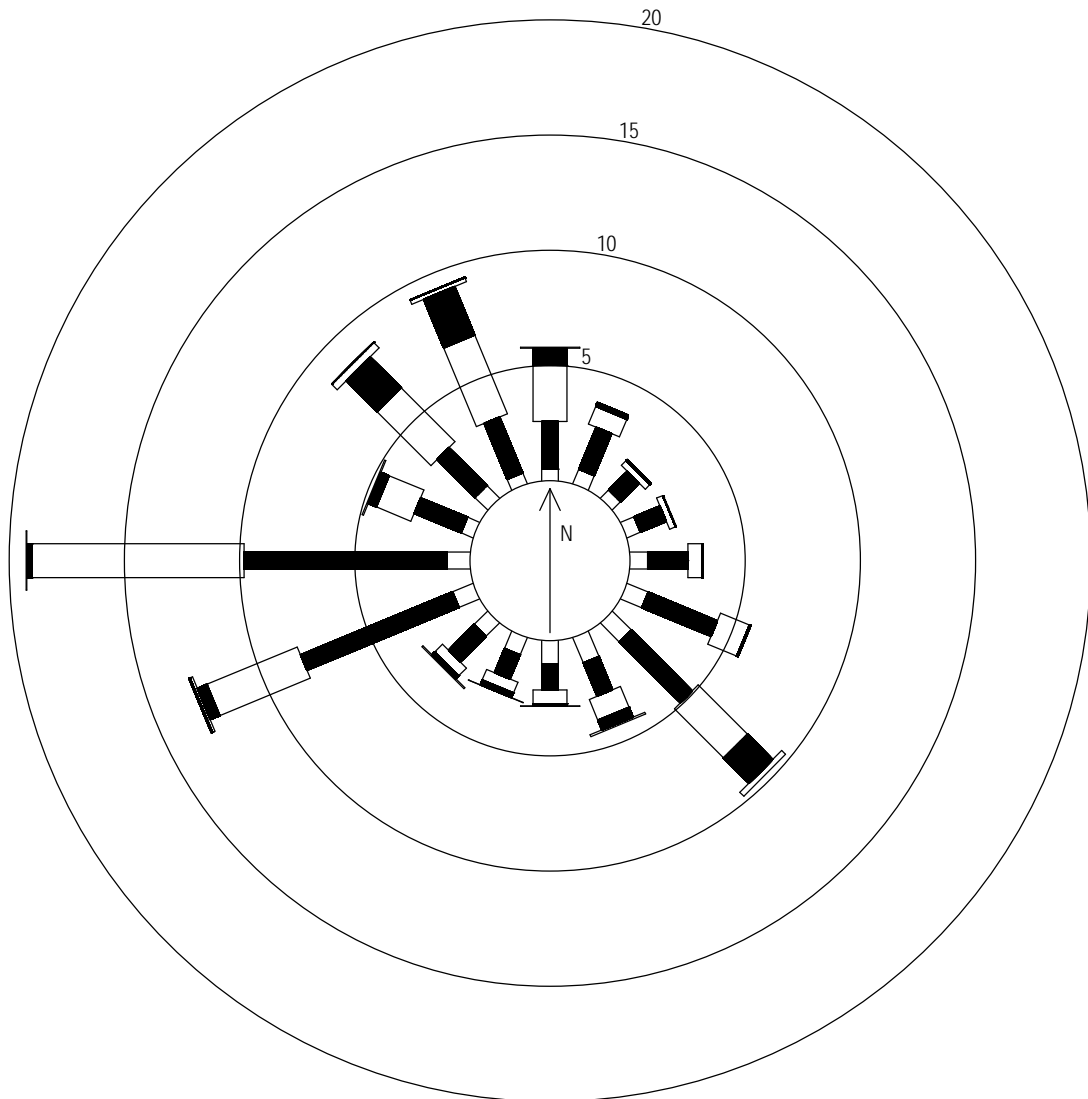
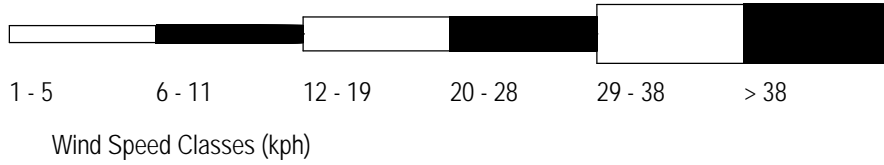
Parkland Airshed Management Zone

Bentley - Wind Speed - January 1, 2005 00:00 to January 1, 2006 00:00



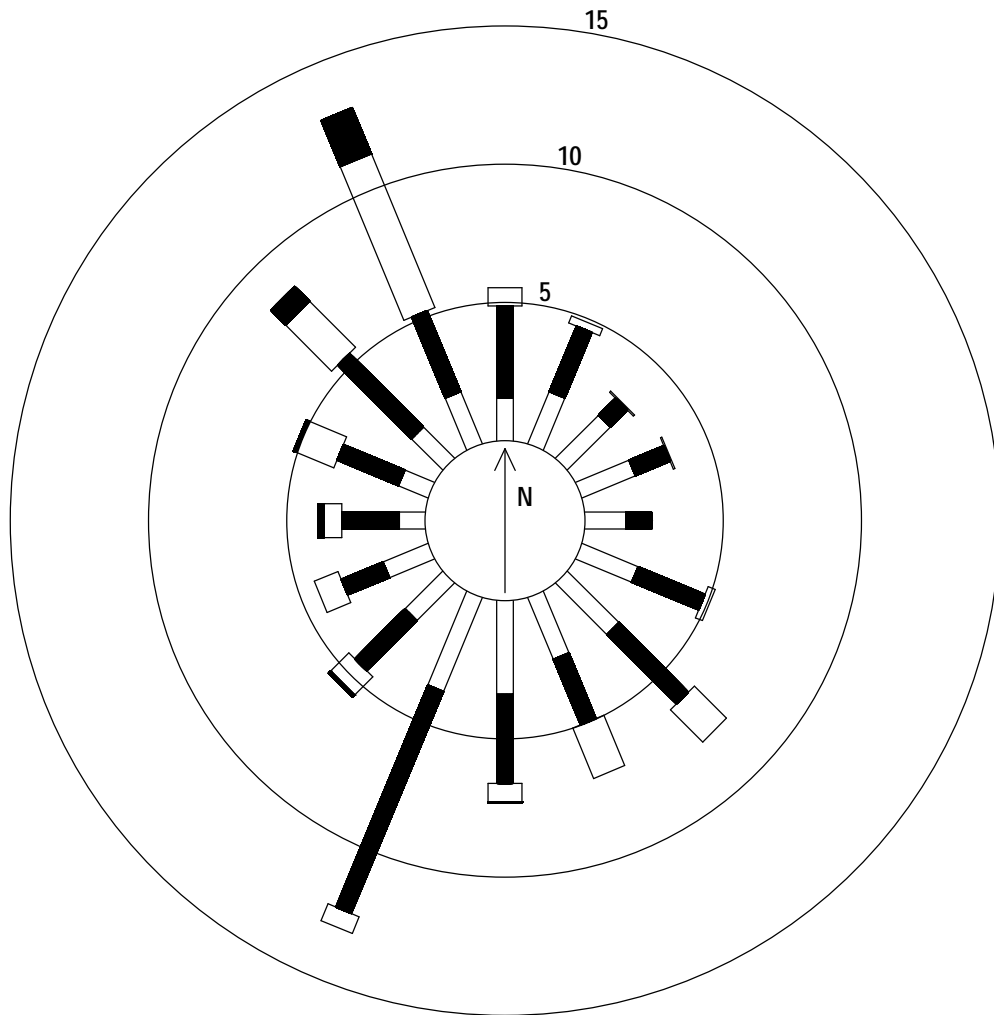
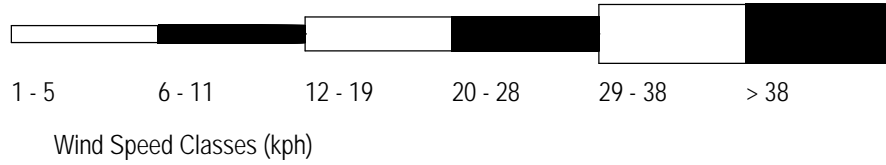
Parkland Airshed Management Zone

Caroline - Wind Speed - January 1, 2005 00:00 to January 1, 2006 00:00



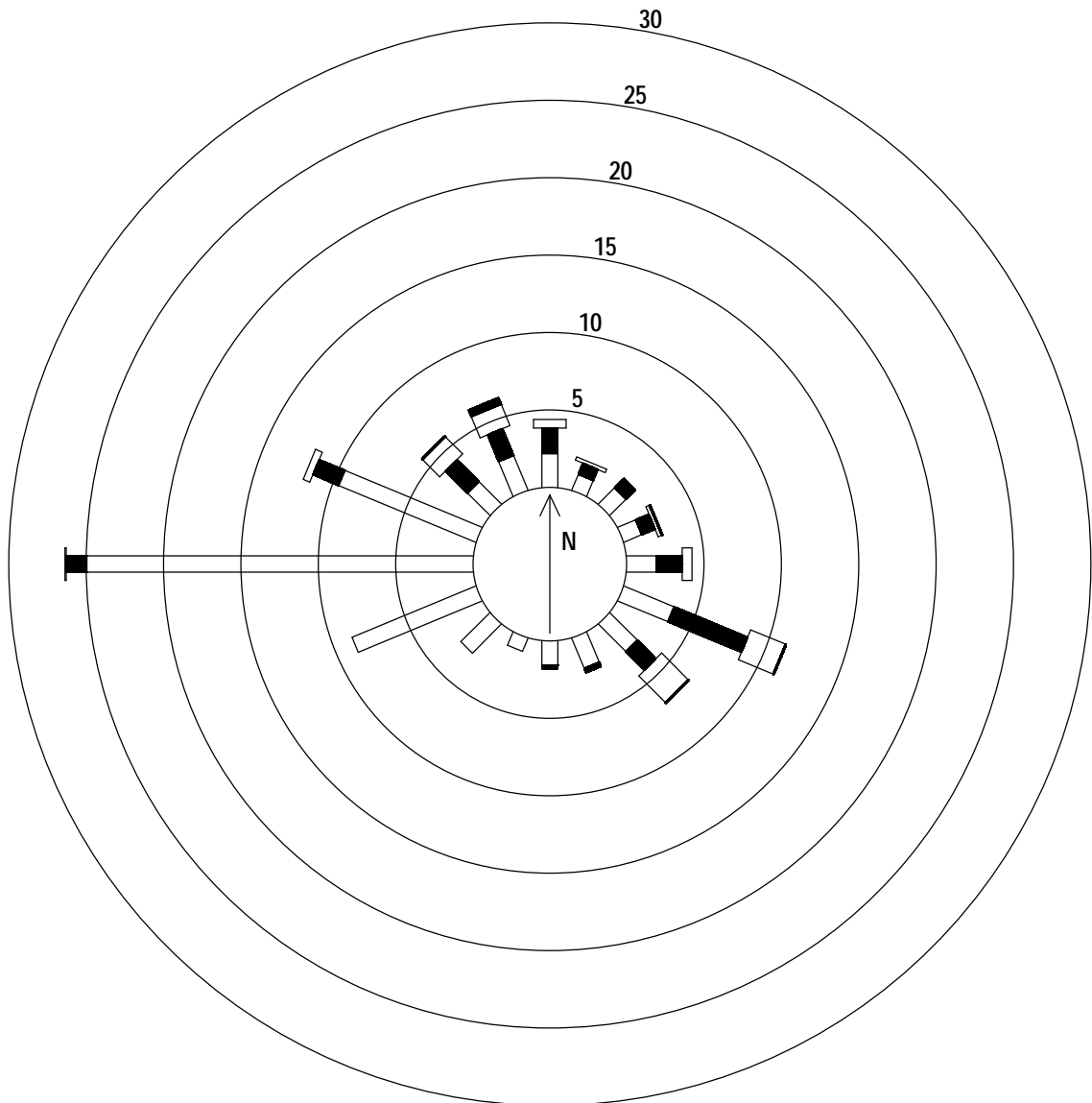
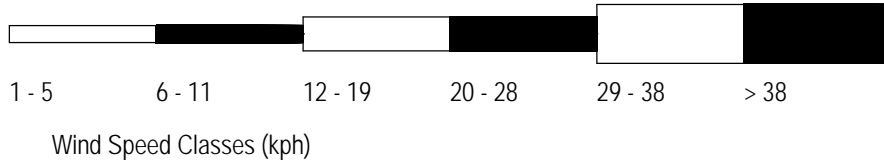
Parkland Airshed Management Zone

Crossfield-Carstairs - Wind Speed - January 1, 2005 00:00 to January 1, 2006 00:00



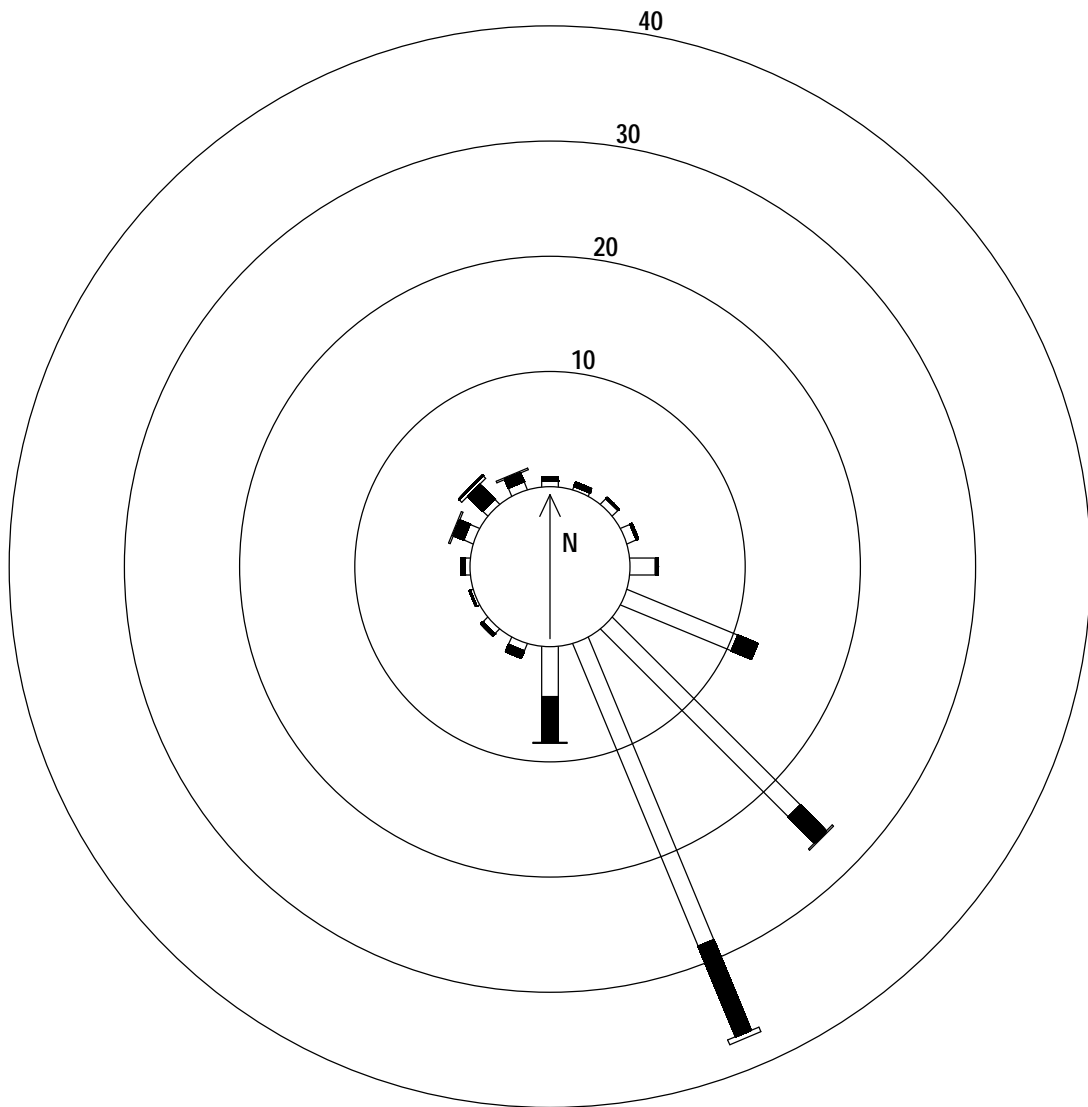
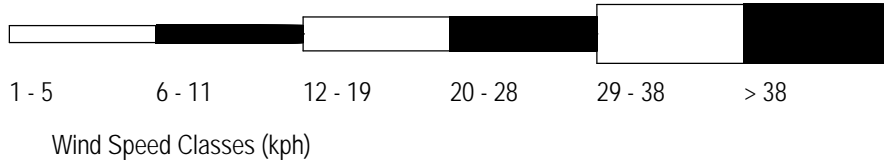
Parkland Airshed Management Zone

James River - Wind Speed - January 1, 2005 00:00 to January 1, 2006 00:00



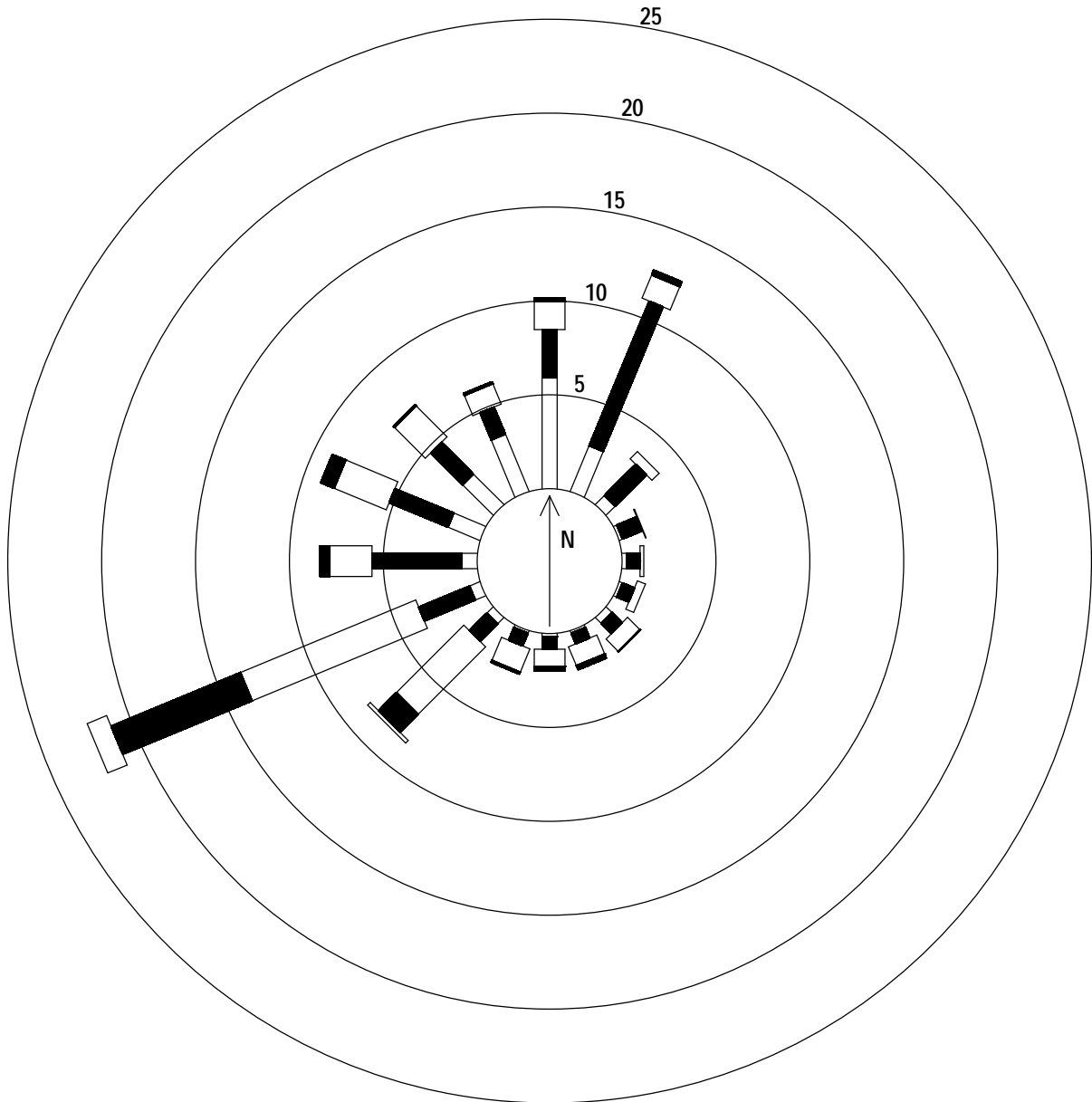
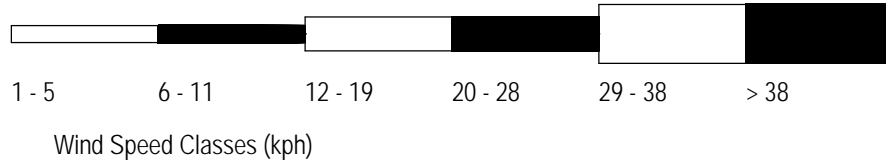
Parkland Airshed Management Zone

Lacombe - Wind Speed - January 1, 2005 00:00 to January 1, 2006 00:00



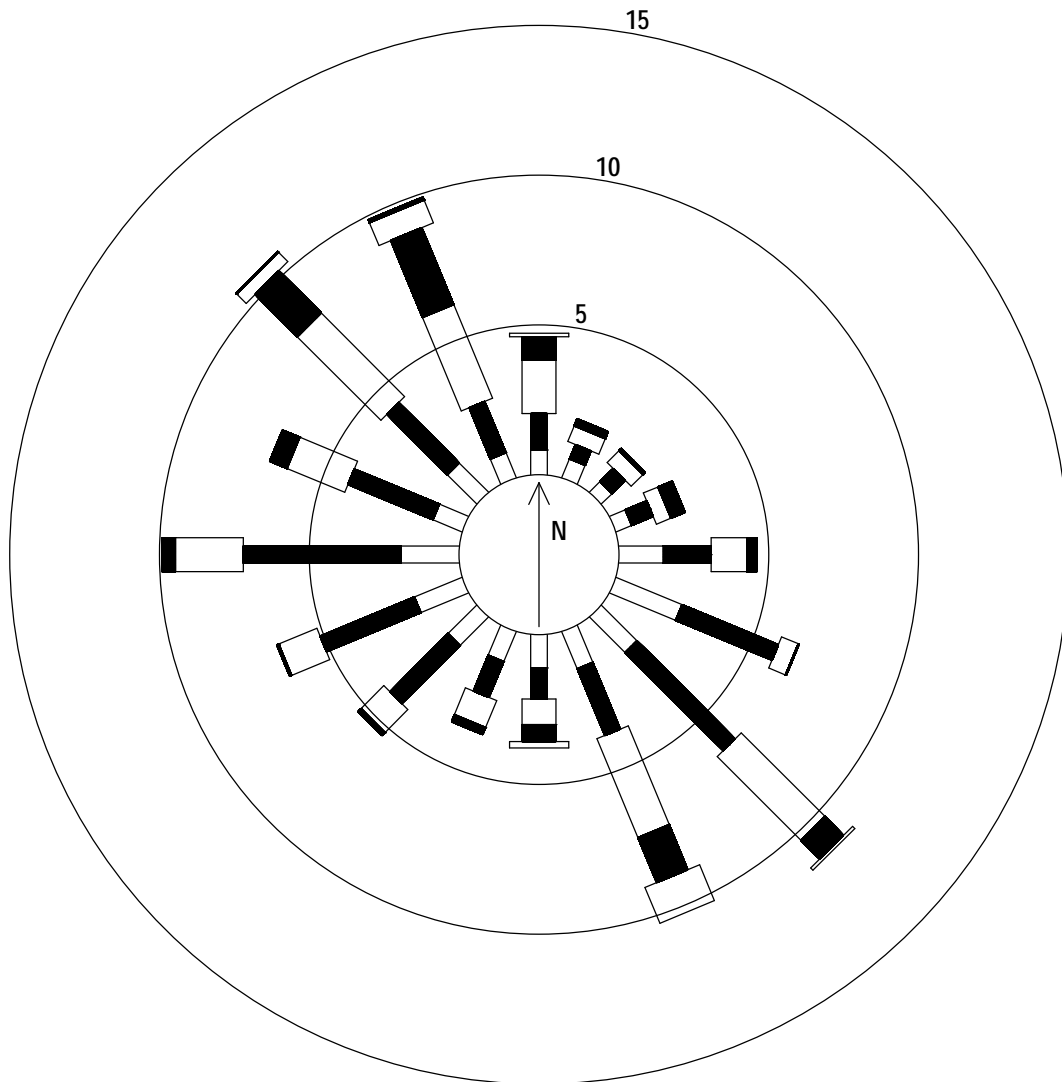
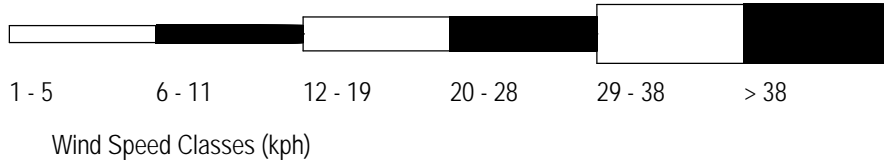
Parkland Airshed Management Zone

Limestone Mountain - Wind Speed - January 1, 2005 00:00 to January 1, 2006 00:00



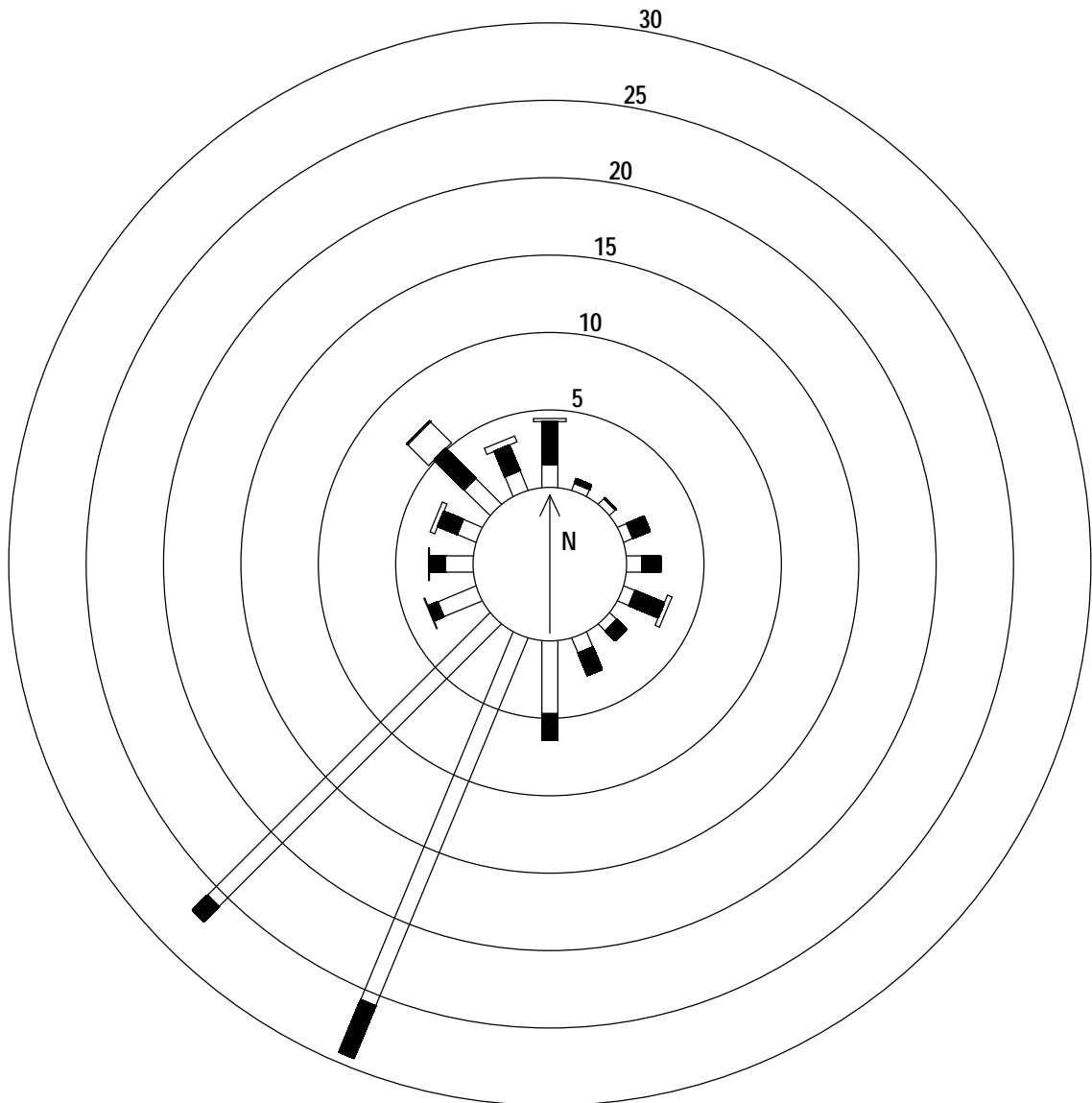
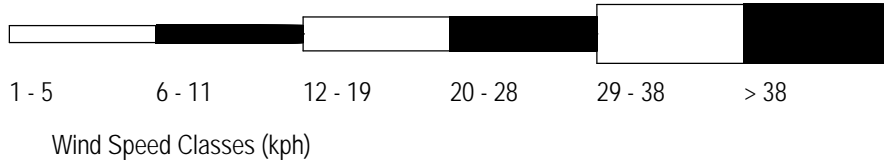
Parkland Airshed Management Zone

Malmo - Wind Speed - January 1, 2005 00:00 to January 1, 2006 00:00



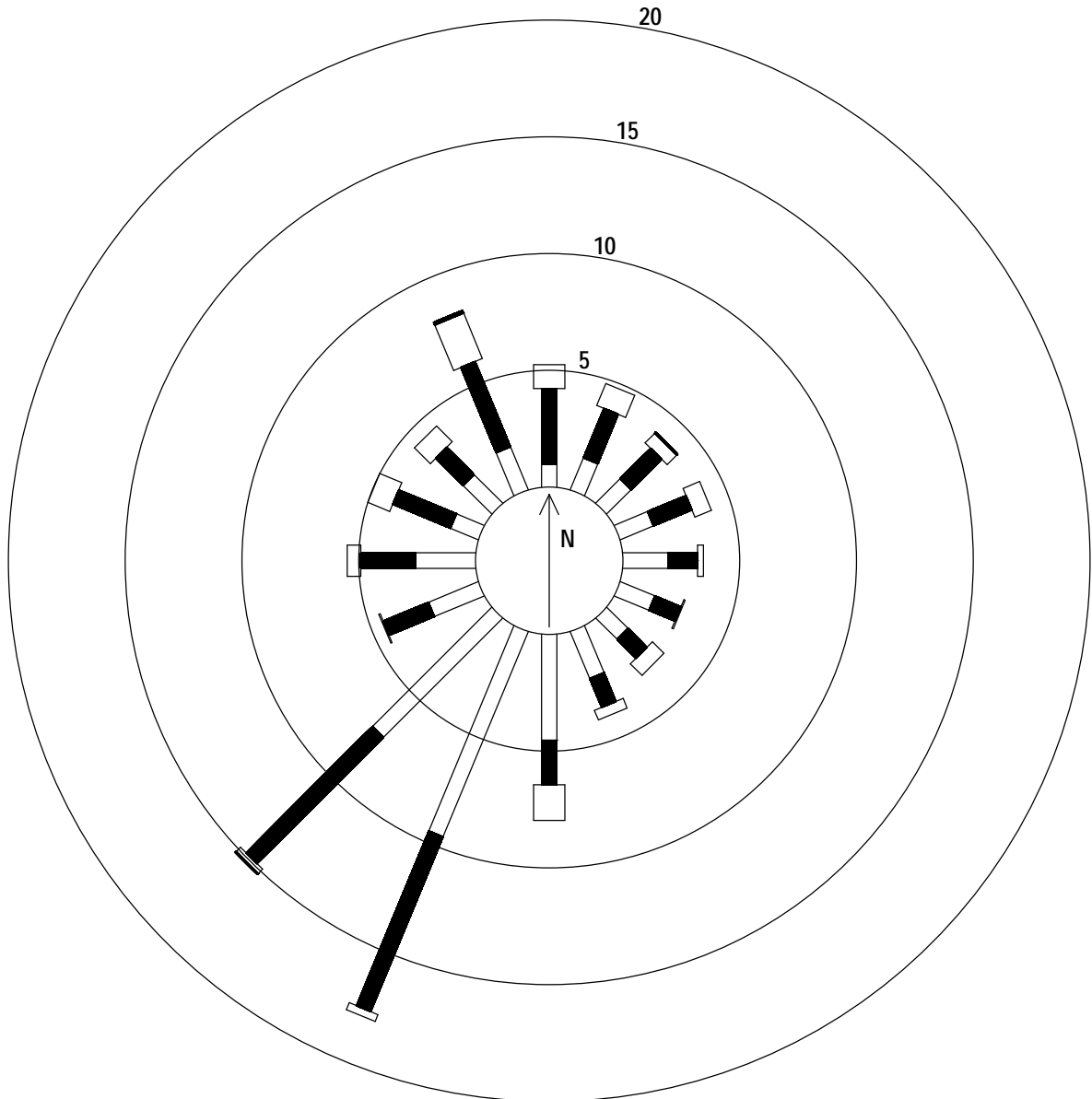
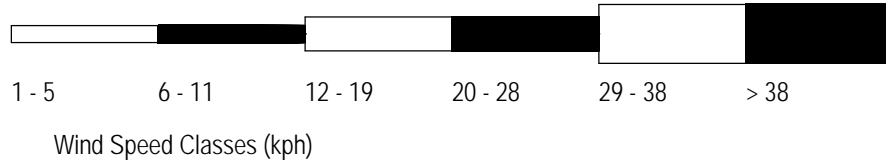
Parkland Airshed Management Zone

Ponoka - Wind Speed - January 1, 2005 00:00 to January 1, 2006 00:00



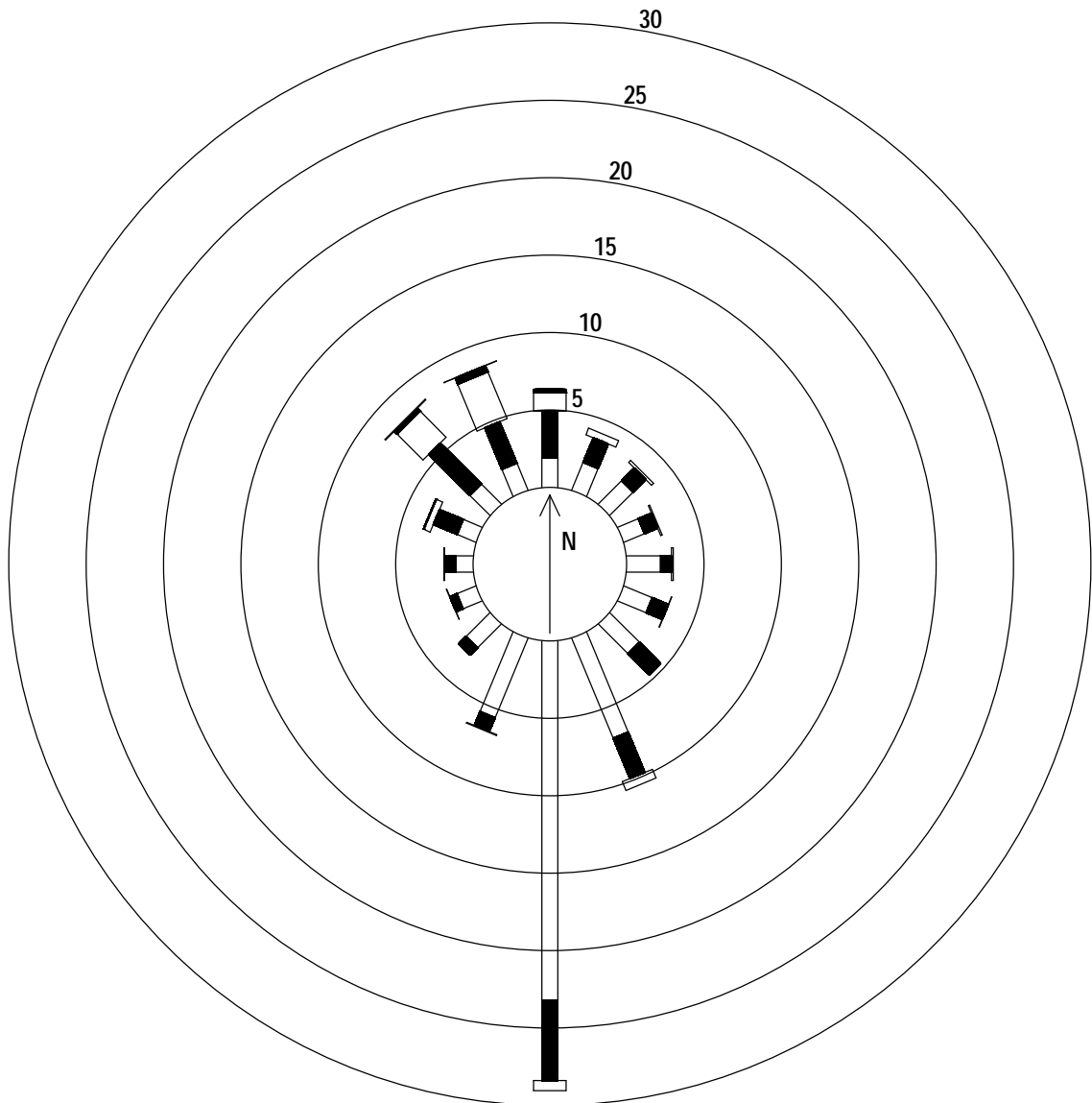
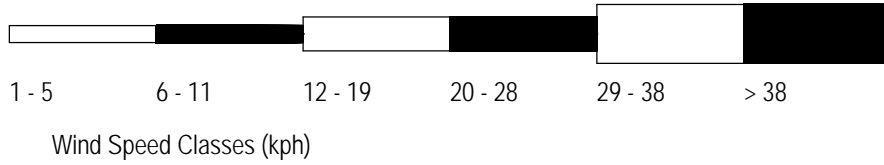
Parkland Airshed Management Zone

Red Deer - Liberty Park - Wind Speed - January 1, 2005 00:00 to January 1, 2006 00:00



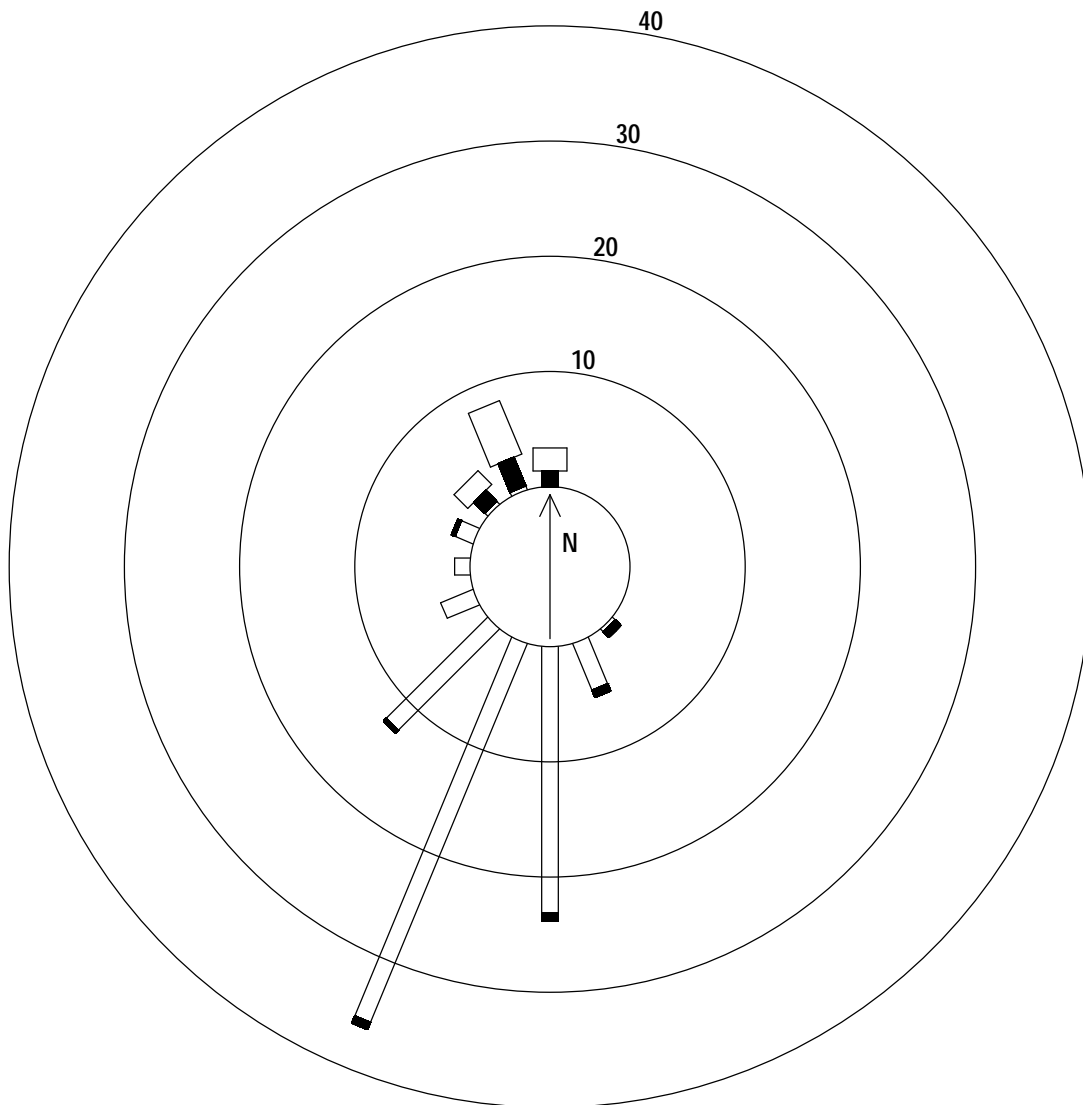
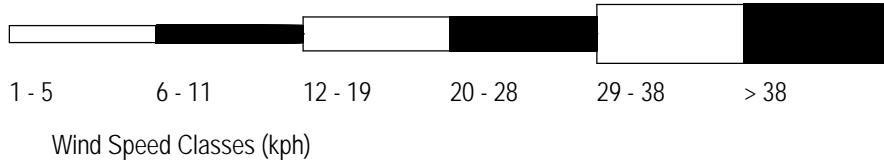
Parkland Airshed Management Zone

Red Deer - Riverside - Wind Speed - January 1, 2005 00:00 to January 1, 2006 00:00



Parkland Airshed Management Zone

Sundre Townsite - Wind Speed - January 1, 2005 00:00 to January 1, 2006 00:00

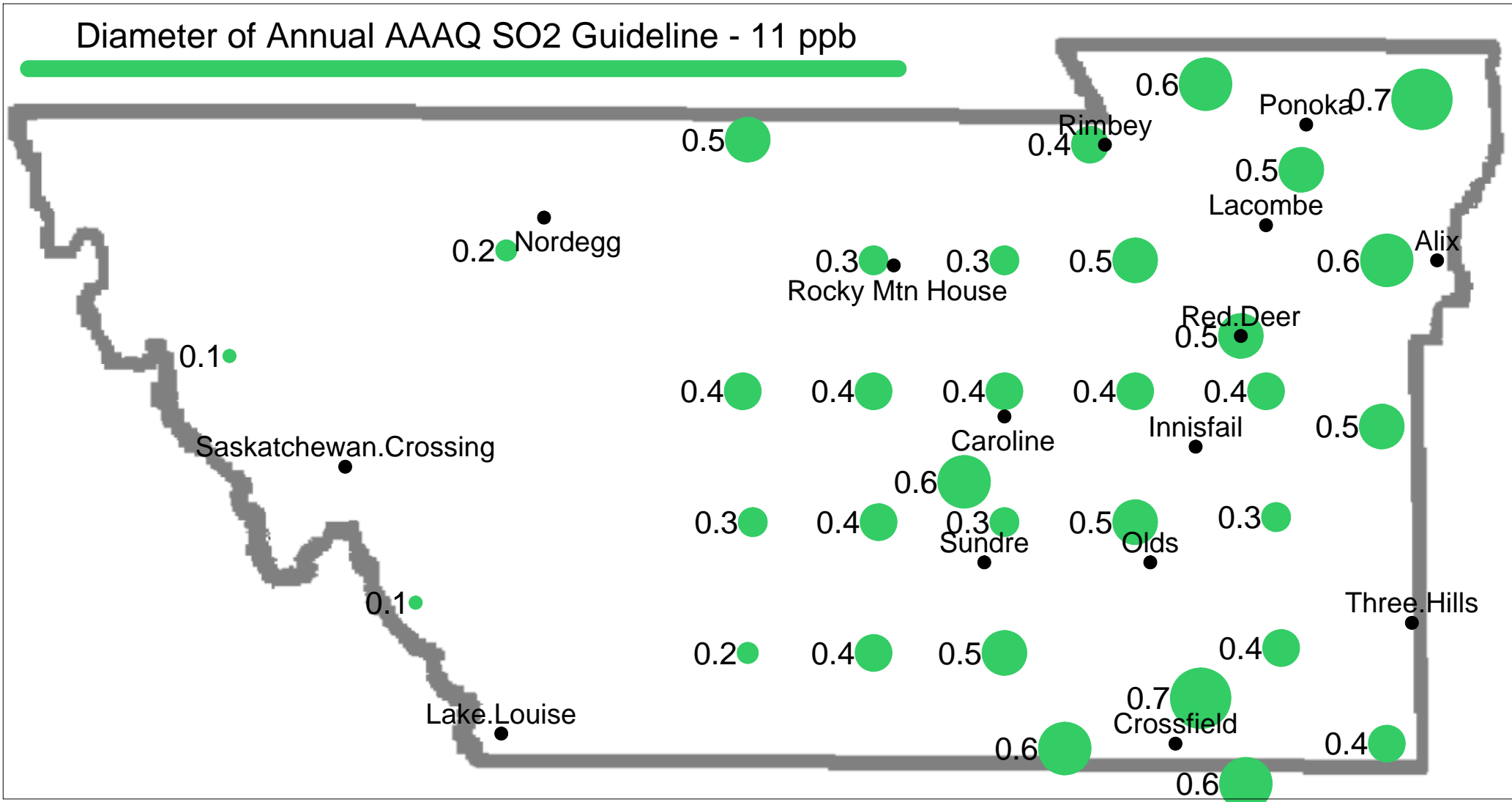


PAMZ Annual Air Quality Monitoring Summary - 2005
SO₂ Passive Monitoring Network

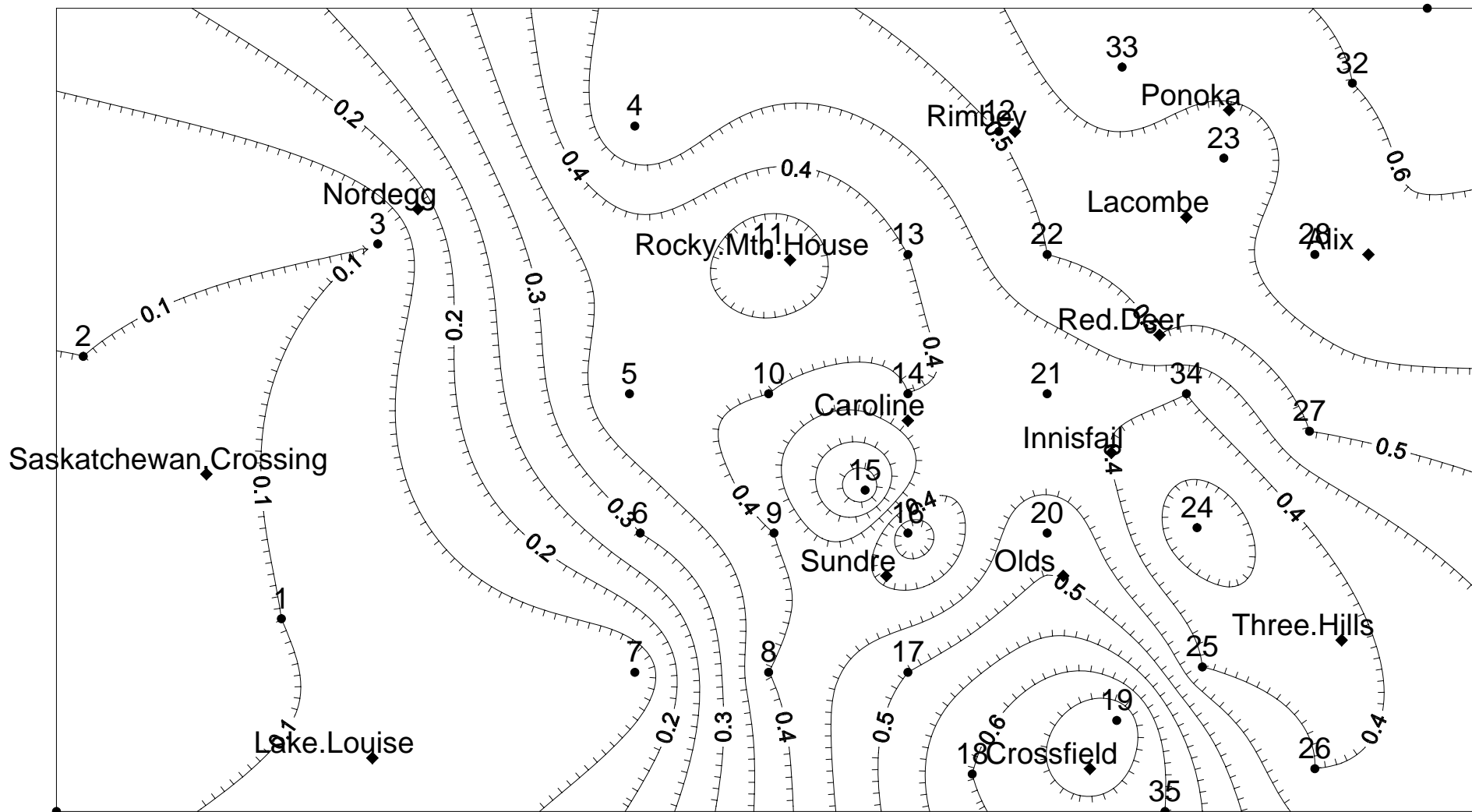
Station	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>Apr</i>	<i>May</i>	<i>Jun</i>	<i>Jul</i>	<i>Aug</i>	<i>Sep</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	Station Average
1 Bow Summit	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.1
2 Parker Ridge	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.1
3 Bighorn	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1
4 Sunchild	0.7	0.7	0.7	0.7	0.4	0.3	0.4	0.3	0.4	0.2	0.4	0.3	0.5
5 Baseline Mountain	0.3	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.2	0.6	0.3	0.4
6 Limestone Mountain	0.4	0.4	0.3	0.3	0.4	0.2	0.2	0.4	0.2	0.1	0.4	0.2	0.3
7 Panther River	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1
8 Fallen Timber	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.2	0.3	0.4	0.4
9 Bearberry	0.4	0.3	0.4	0.5	0.4	0.2	0.3	0.5	0.3	0.2	0.6	0.3	0.4
10 Ricinus	0.5	0.4	0.6	0.4	0.4	0.2	0.3	0.3	0.3	0.3	0.6	0.4	0.4
11 Twin Lakes	0.4	0.4	0.4	0.4	0.3	0.2	0.3	0.2	0.2	0.2	0.3	0.2	0.3
12 Rimbey	0.9	0.7	0.5	0.5	0.4	0.2	0.3	0.2	0.3	0.4	0.6	0.6	0.5
13 Leslieville	0.7	0.5	0.4	0.4	0.3	0.2	0.2	0.2	0.2	NA	0.3	0.5	0.4
14 Raven River	0.7	0.5	0.6	0.4	0.4	0.2	0.2	0.3	0.3	0.3	0.4	0.5	0.4
15 Caroline	0.9	0.7	0.7	0.7	0.5	0.5	0.5	0.4	0.6	0.4	0.7	0.7	0.6
16 Sundre	0.6	0.4	0.4	0.4	0.3	0.2	0.3	0.2	0.2	0.2	0.4	0.3	0.3
17 South Elkton	1.0	0.7	0.5	0.5	0.4	0.3	0.4	0.5	0.4	0.3	0.5	0.6	0.5
18 Bottrel	1.3	0.9	0.6	0.6	0.4	0.3	0.5	0.5	0.5	0.4	0.6	0.8	0.6
19 Crossfield-Carstairs	1.2	0.8	0.5	0.6	0.6	0.4	0.6	0.6	0.7	0.6	0.7	0.8	0.7
20 Netook-Olds	1.0	0.7	0.5	0.5	0.5	0.3	0.4	0.3	0.5	0.3	0.6	0.6	0.5
21 Markerville	0.7	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.4
22 Sylvan Lake	1.0	0.7	0.5	0.5	0.4	0.3	0.3	0.2	0.5	0.4	0.7	0.7	0.5
23 Morningside	0.9	0.6	0.5	0.5	0.3	0.3	0.4	0.3	0.4	0.4	0.4	0.5	0.5
24 Mayton	0.6	0.4	0.3	0.3	0.4	0.3	0.3	0.2	0.3	0.2	0.3	0.3	0.3
25 Sunnyslope	0.8	0.6	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.2	0.3	0.4	0.4
26 Grainger	0.8	0.6	0.3	0.4	0.3	0.3	0.3	0.3	0.4	0.2	0.3	0.4	0.4
27 Elnora	1.1	0.7	0.5	0.5	0.3	0.3	0.3	0.2	0.4	0.3	0.5	0.5	0.5
28 Alix	1.3	1.0	0.7	0.5	0.5	0.4	0.4	0.3	0.6	0.5	0.6	0.9	0.6
32 Samson	1.4	1.1	0.7	0.6	0.4	0.6	0.6	0.3	0.4	0.4	0.7	0.6	0.6
33 Ferrybank	1.1	1.1	0.6	0.6	0.5	0.3	0.4	0.5	0.5	0.5	0.8	0.7	0.6
34 Pakkwaw	0.9	0.7	0.5	0.4	0.4	0.2	0.3	0.2	0.3	0.3	0.4	0.5	0.4
35 Kersey	1.1	0.9	0.6	0.5	0.4	0.3	0.6	0.4	0.5	0.4	0.6	0.7	0.6
Red Deer	0.9	0.6	0.8	0.5	0.6	0.2	0.3	0.4	0.4	0.3	0.4	0.4	0.5
Monthly Average	0.8	0.6	0.5	0.4	0.4	0.3	0.3	0.3	0.4	0.3	0.4	0.4	0.4
Monthly Maximum	1.4	1.1	0.8	0.7	0.6	0.6	0.6	0.6	0.7	0.6	0.8	0.9	
Monthly Minimum	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.0	

* All Values Expressed in PPB

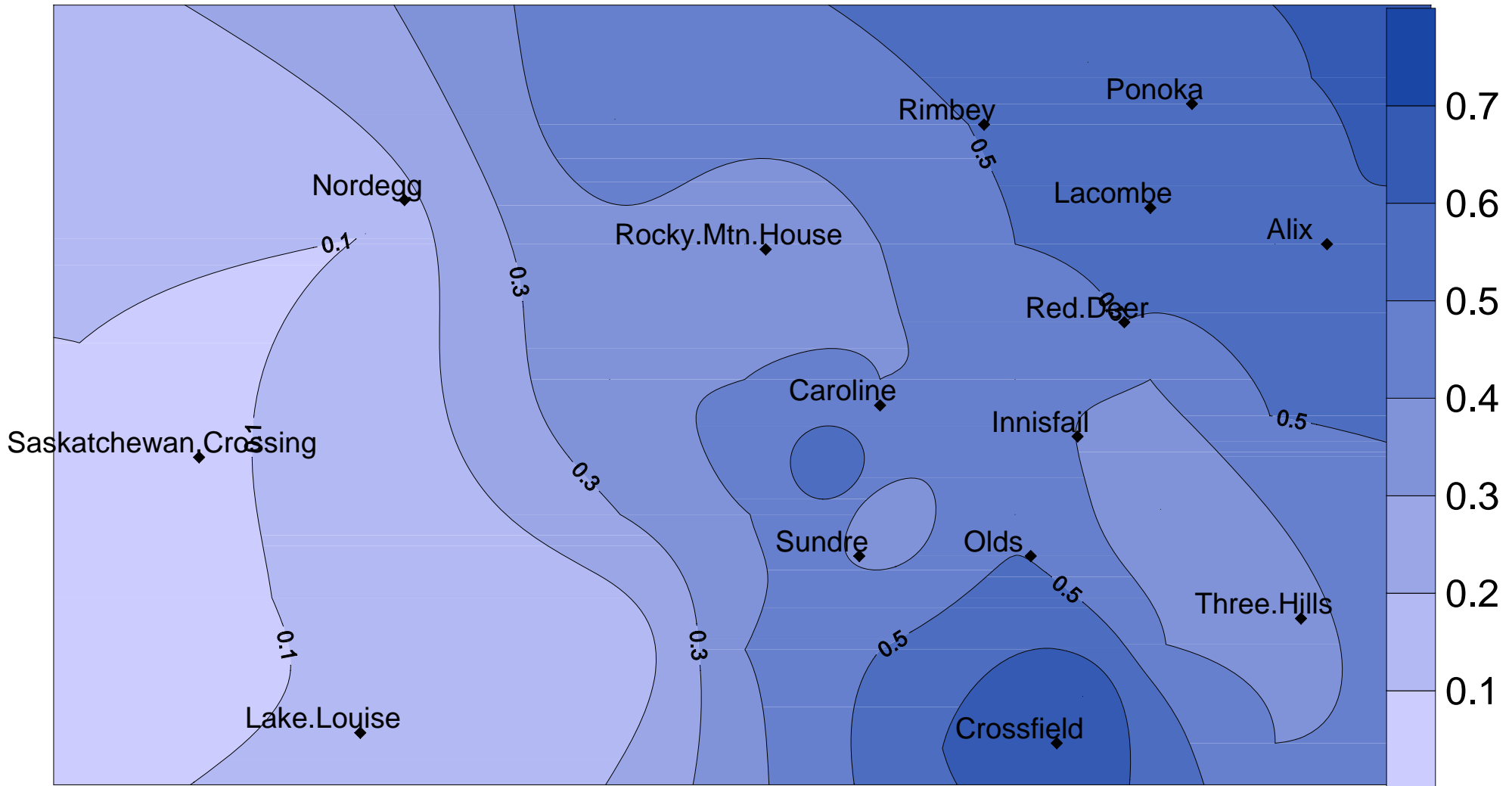
Diameter of Annual AAAQ SO2 Guideline - 11 ppb



PAMZ Passive SO2 (ppb) - Station Averages 2005



PAMZ Passive SO₂ Monitoring Network - 2005 Station Averages (ppb)

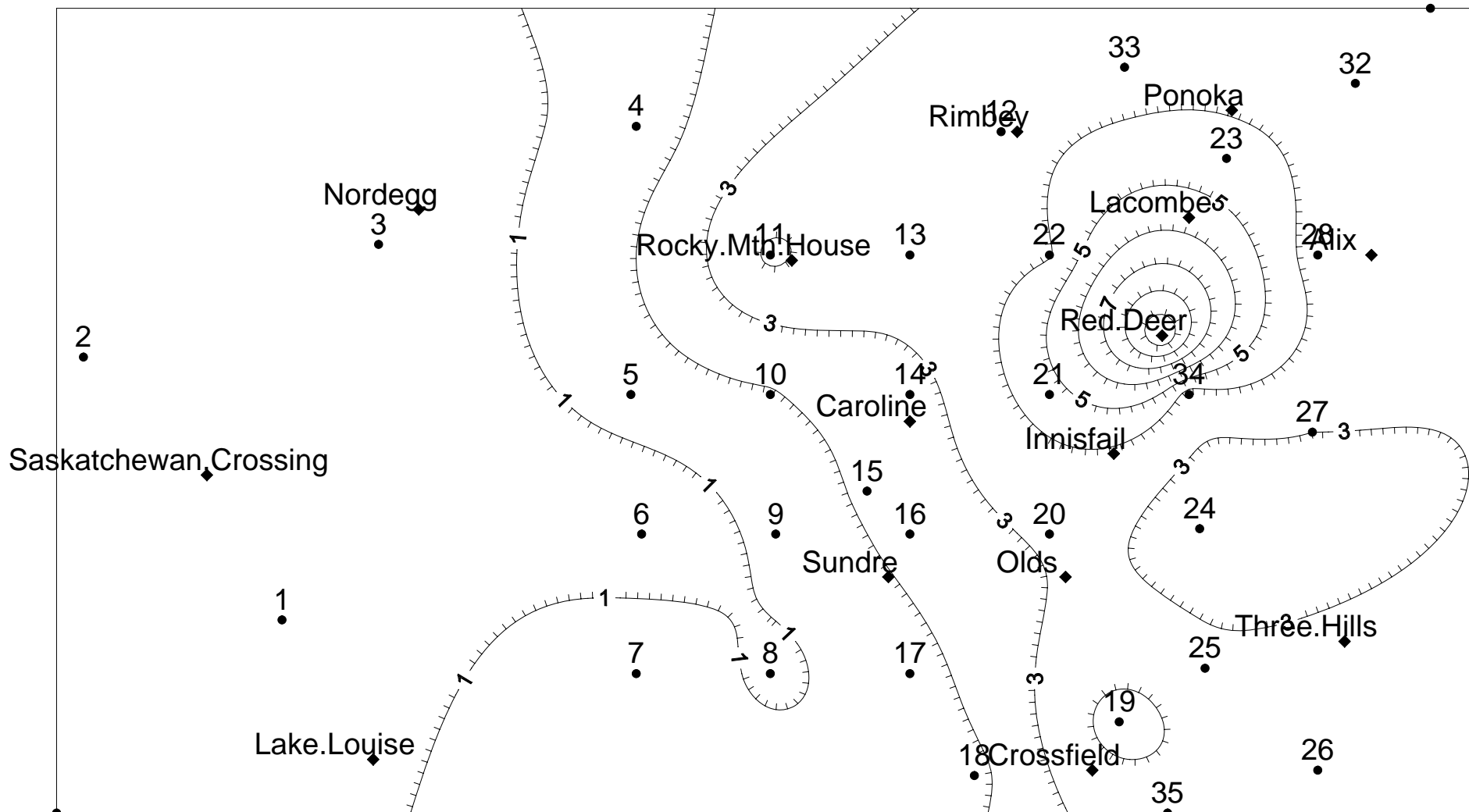


PAMZ Passive SO2 Monitoring Network - 2005 Station Averages (ppb)

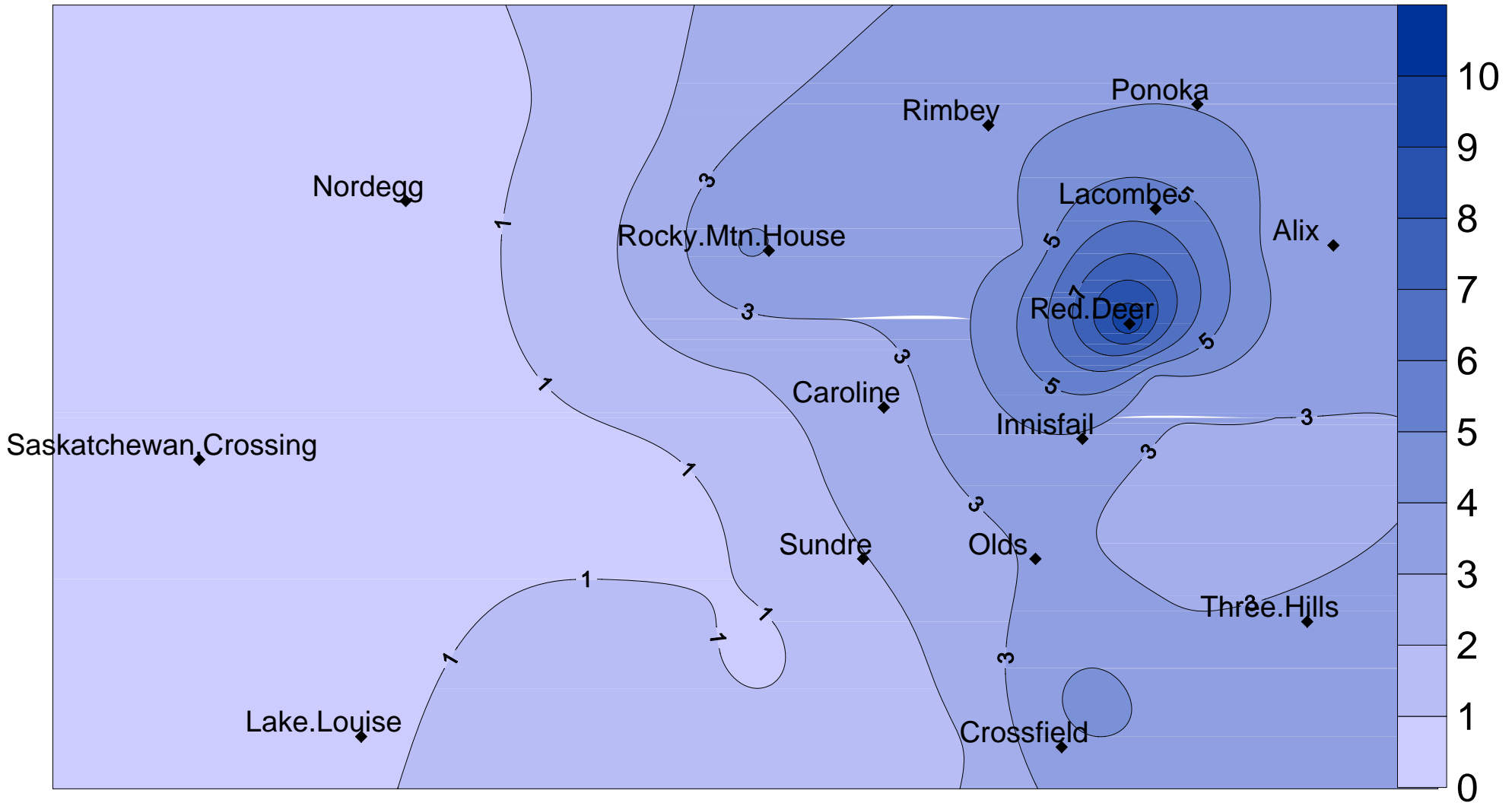
PAMZ Annual Air Quality Monitoring Summary - 2005
NO₂ Passive Monitoring Network

Station	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>Apr</i>	<i>May</i>	<i>Jun</i>	<i>Jul</i>	<i>Aug</i>	<i>Sep</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	Station Average
1 Bow Summit	0.4	0.3	0.3	0.2	0.2	0.3	0.5	0.3	0.5	0.3	0.0	0.3	0.3
2 Parker Ridge	0.1	0.3	0.0	0.3	0.1	0.2	0.3	0.2	0.2	1.9	0.0	0.2	0.3
3 Bighorn	0.7	0.5	0.1	0.5	0.3	0.4	0.3	0.3	0.3	0.3	0.4	0.5	0.4
4 Sunchild	3.0	0.3	0.3	1.4	0.9	0.6	0.6	1.1	1.1	2.0	2.2	1.8	1.3
5 Baseline Mountain	1.5	1.4	0.8	1.7	2.0	1.9	2.6	1.3	0.9	1.5	0.5	0.9	1.4
6 Limestone Mountain	0.5	0.4	0.0	0.5	0.3	0.3	0.3	0.3	0.2	0.3	0.1	0.4	0.3
7 Panther River	4.2	3.6	1.7	2.9	2.1	1.7	1.7	1.5	0.9	0.6	2.4	1.2	2.0
8 Fallen Timber	1.1	0.9	0.1	0.7	0.7	0.5	0.5	0.6	0.5	1.3	1.4	1.4	0.8
9 Bearberry	2.3	1.8	0.8	1.1	0.9	0.8	1.0	0.9	0.9	1.0	1.4	1.8	1.2
10 Ricinus	3.6	2.5	1.5	1.7	1.3	0.8	1.0	1.0	1.1	2.0	3.5	3.1	1.9
11 Twin Lakes	7.2	7.3	3.6	3.5	2.3	1.6	2.0	1.8	2.9	3.9	7.4	6.6	4.2
12 Rimbey	6.9	5.2	3.1	3.1	3.6	1.9	2.1	2.0	2.3	3.5	5.7	5.4	3.7
13 Leslieville	5.9	4.7	3.2	2.7	2.5	1.4	1.6	1.7	2.3	3.3	5.4	4.6	3.3
14 Raven River	5.3	2.8	2.0	2.2	2.1	1.6	1.6	1.5	1.8	2.5	3.9	3.8	2.6
15 Caroline	4.4	2.7	1.6	1.9	1.5	1.2	1.3	1.5	1.6	2.3	3.3	3.2	2.2
16 Sundre	5.0	3.3	1.7	2.3	2.2	1.3	1.3	1.2	1.4	2.0	3.8	3.4	2.4
17 South Elkton	2.7	1.7	0.9	1.3	1.4	1.1	3.1	1.2	1.0	1.5	1.6	1.8	1.6
18 Bottrel	2.7	1.9	1.0	1.6	1.6	1.5	1.2	1.3	1.5	2.1	2.2	2.4	1.7
19 Crossfield-Carstairs	7.4	5.8	3.4	4.2	4.3	2.3	2.8	3.0	4.3	4.0	6.5	6.2	4.5
20 Netook-Olds	5.0	3.5	2.2	3.3	3.0	1.6	1.7	1.4	3.1	3.3	4.7	4.1	3.1
21 Markerville	7.1	7.7	3.8	4.0	4.3	3.1	1.2	2.4	3.9	3.5	6.7	7.8	4.6
22 Sylvan Lake	7.1	5.2	2.6	4.2	2.9	2.0	2.2	1.8	3.5	3.5	5.0	6.3	3.9
23 Morningside	7.1	6.3	4.0	3.6	2.9	2.3	2.4	2.2	3.8	3.6	7.5	6.4	4.3
24 Mayton	4.1	2.8	1.3	2.4	2.6	1.5	1.4	1.3	2.0	2.7	3.9	3.6	2.5
25 Sunnyslope	5.0	3.7	2.2	3.3	3.5	2.0	1.9	1.8	2.3	3.6	4.8	4.6	3.2
26 Grainger	5.7	4.7	2.4	3.5	3.8	2.1	2.6	2.4	3.4	3.2	5.6	6.2	3.8
27 Elnora	4.8	3.3	1.8	2.8	2.5	1.7	1.6	1.8	2.7	2.6	5.4	5.0	3.0
28 Alix	4.9	4.5	2.1	2.8	2.6	2.1	2.3	2.1	2.8	3.0	6.4	5.9	3.5
32 Samson	5.5	5.1	3.4	3.5	3.5	2.9	2.2	2.3	2.9	3.3	6.1	5.1	3.8
33 Ferrybank	5.8	5.5	2.4	2.9	2.5	1.9	2.1	2.3	2.9	1.8	6.6	5.8	3.5
34 Pakkwaw	5.1	4.1	2.2	3.0	3.3	1.9	2.3	2.1	3.0	3.4	6.6	5.5	3.5
35 Kersey	6.5	4.4	2.8	3.8	3.1	1.9	1.9	1.8	2.6	3.0	4.8	4.9	3.5
Red Deer	15.5	24.5	9.3	7.3	4.6	5.7	4.7	5.4	8.0	6.9	14.6	13.7	10.0
Monthly Average	4.7	4.0	2.1	2.6	2.3	1.6	1.7	1.6	2.2	2.5	4.3	4.1	2.8
Monthly Maximum	15.5	24.5	9.3	7.3	4.6	5.7	4.7	5.4	8.0	6.9	14.6	13.7	
Monthly Minimum	0.1	0.3	0.0	0.2	0.1	0.2	0.3	0.2	0.2	0.3	0.0	0.2	

* All Values Expressed in PPB



PAMZ Passive NO2 Monitoring Network - 2005 Station Averages (ppb)



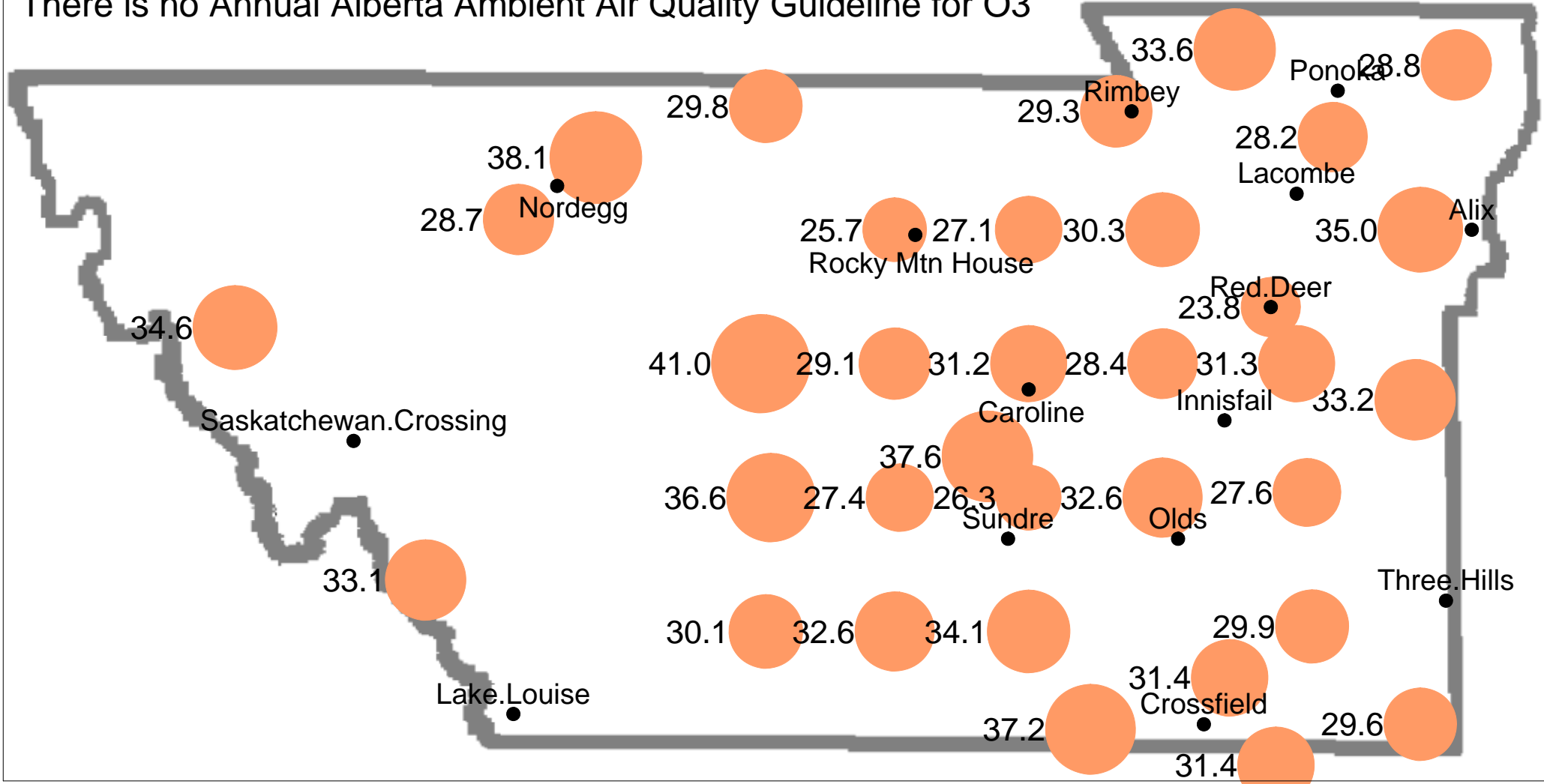
PAMZ Passive NO2 Monitoring Network - 2005 Station Averages (ppb)

PAMZ Annual Air Quality Monitoring Summary - 2005
O₃ Passive Monitoring Network

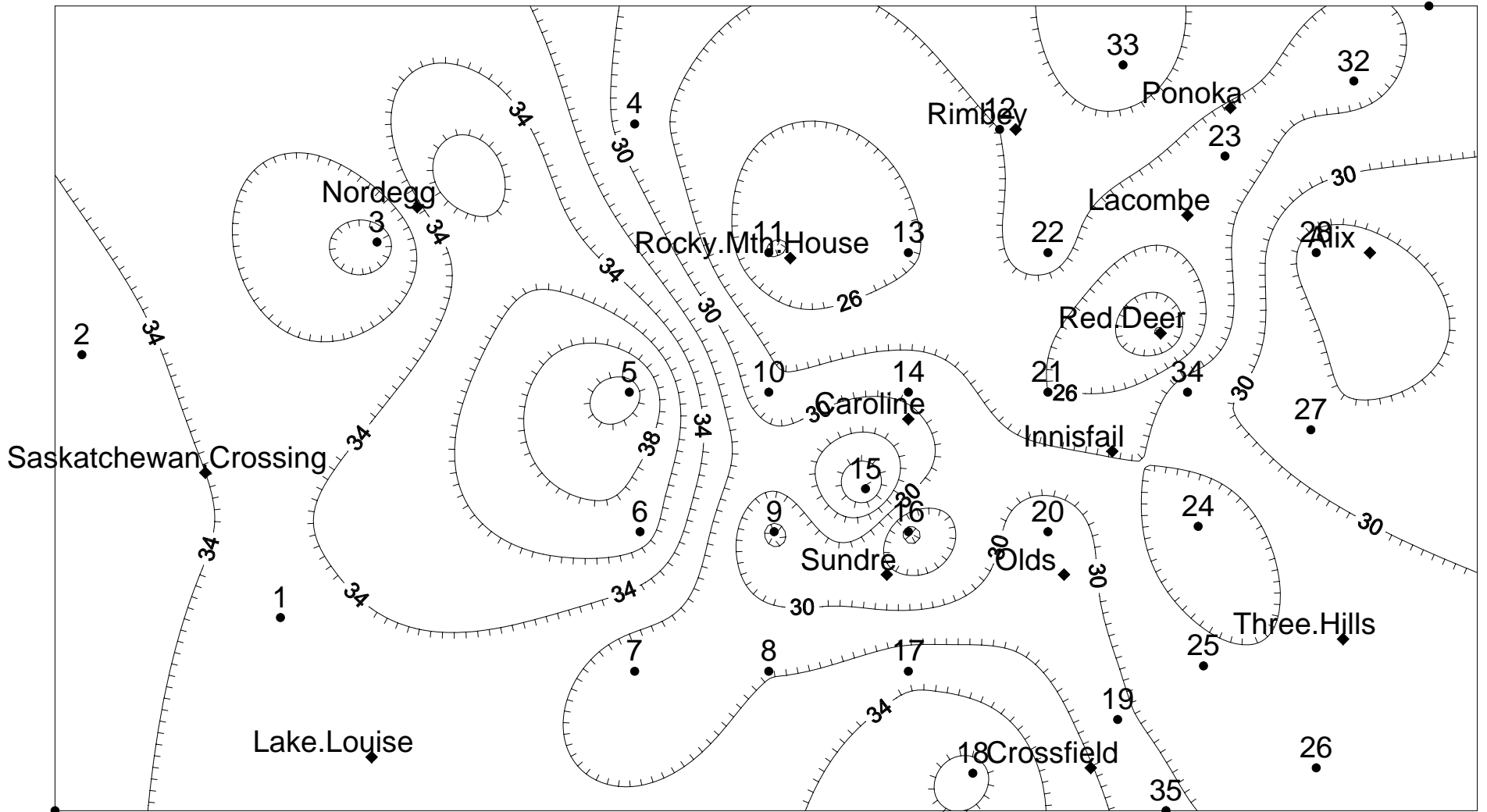
Station	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>Apr</i>	<i>May</i>	<i>Jun</i>	<i>Jul</i>	<i>Aug</i>	<i>Sep</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	Station Average
1 Bow Summit	35.5	45.9	NA	43.7	40.1	24.9	26.5	21.5	26.1	33.8	40.4	31.2	33.6
2 Parker Ridge	39.8	43.4	NA	40.1	43.8	26.9	27.3	23.6	29.8	37.1	40.4	37.4	35.4
3 Bighorn	32.4	42.8	40.0	38.0	32.6	20.7	22.4	19.2	18.0	20.9	28.6	29.3	28.7
4 Sunchild	27.5	39.1	39.1	41.2	35.8	25.3	31.0	21.8	21.7	15.2	23.2	24.4	28.8
5 Baseline Mountain	44.1	47.5	48.2	51.4	51.2	36.0	28.6	30.5	34.7	37.8	40.3	42.7	41.1
6 Limestone Mountain	38.1	47.4	43.2	39.0	42.6	30.5	30.5	25.6	36.3	32.9	39.4	40.1	37.1
7 Panther River	32.0	36.5	43.8	38.4	30.2	24.6	24.6	22.2	24.2	25.0	30.6	32.7	30.4
8 Fallen Timber	34.1	40.1	44.2	39.6	37.3	25.6	25.6	31.8	27.4	20.1	28.5	29.1	31.9
9 Bearberry	27.8	37.8	41.0	36.3	34.3	21.3	20.4	19.0	18.4	17.7	26.3	27.1	27.3
10 Ricinus	28.4	37.6	41.8	39.2	39.0	23.9	24.8	19.4	18.8	18.5	24.8	24.0	28.3
11 Twin Lakes	21.3	34.6	42.2	38.1	32.7	22.8	20.1	16.8	14.6	13.9	14.1	14.8	23.8
12 Rimbey	31.1	38.6	43.6	44.7	33.9	27.0	22.2	16.9	18.2	16.5	21.8	21.2	28.0
13 Leslieville	29.0	36.6	41.1	34.6	33.6	22.4	23.1	16.2	17.3	17.0	18.2	19.8	25.7
14 Raven River	29.7	38.2	45.5	45.5	38.0	33.0	24.6	19.8	21.3	16.8	22.5	19.9	29.6
15 Caroline	32.7	46.0	48.3	48.8	46.4	33.4	36.2	28.2	29.7	26.6	30.6	30.4	36.4
16 Sundre	28.1	33.6	45.5	34.9	30.7	21.7	20.2	16.4	15.5	15.9	21.2	18.8	25.2
17 South Elkton	38.1	47.6	37.8	50.2	36.1	29.0	28.3	23.0	23.6	27.0	31.4	30.3	33.5
18 Bottrel	33.9	46.5	53.8	48.9	37.8	36.2	34.3	26.1	27.6	27.3	35.1	31.7	36.6
19 Crossfield-Carstairs	28.4	42.1	41.6	38.9	35.0	29.1	27.2	22.4	28.2	21.1	25.2	25.4	30.4
20 Netook-Olds	32.8	46.8	47.4	43.1	35.1	29.6	25.1	17.5	27.6	20.9	27.2	28.3	31.8
21 Markerville	29.8	41.6	46.4	34.7	35.7	24.8	21.1	13.8	18.8	17.8	15.3	12.3	26.0
22 Sylvan Lake	31.4	39.4	46.4	41.9	37.4	26.2	19.5	15.8	25.9	19.1	23.1	22.4	29.0
23 Morningside	30.0	35.9	40.7	37.2	33.7	25.0	23.7	15.8	23.1	17.1	19.0	17.4	26.6
24 Mayton	26.3	39.1	37.2	37.6	36.3	27.0	22.2	17.3	17.8	14.9	19.2	15.4	25.9
25 Sunnyslope	32.0	41.5	38.3	42.1	40.6	28.0	22.4	19.2	19.2	16.0	22.0	19.5	28.4
26 Grainger	29.4	35.8	45.4	37.8	34.4	27.6	23.9	22.9	21.5	17.7	22.7	20.9	28.3
27 Elnora	30.7	41.6	50.9	40.2	40.1	29.3	27.0	24.3	27.2	20.6	25.1	23.2	31.7
28 Alix	34.6	46.5	52.9	41.9	42.3	29.3	29.8	24.2	25.4	23.5	24.3	24.8	33.3
32 Samson	30.8	38.1	48.0	36.5	34.3	25.4	23.5	17.2	18.2	15.6	21.5	17.8	27.2
33 Ferrybank	35.1	43.8	49.4	43.1	40.3	29.0	25.9	23.3	23.2	22.0	22.7	24.2	31.8
34 Pakkwaw	31.3	43.7	50.3	38.9	39.8	27.9	23.3	20.2	19.8	17.8	24.5	20.3	29.8
35 Kersey	26.8	42.4	41.8	40.5	38.8	28.7	29.1	22.2	22.2	22.0	24.8	26.6	30.5
44 Harlech	36.9	48.4	50.5	46.8	42.8	33.7	34.4	28.5	29.5	29.9	36.6	37.3	37.9
Red Deer	14.0	22.0	30.5	31.6	30.5	28.8	27.3	20.0	18.1	15.1	12.2	9.1	21.6
Monthly Average	31.3	40.8	44.3	40.7	37.4	27.5	25.8	21.3	23.2	21.5	26.0	25.0	30.4
Monthly Maximum	44.1	48.4	53.8	51.4	51.2	36.2	36.2	31.8	36.3	37.8	40.4	42.7	
Monthly Minimum	14.0	22.0	30.5	31.6	30.2	20.7	19.5	13.8	14.6	13.9	12.2	9.1	

* All Values Expressed in PPB

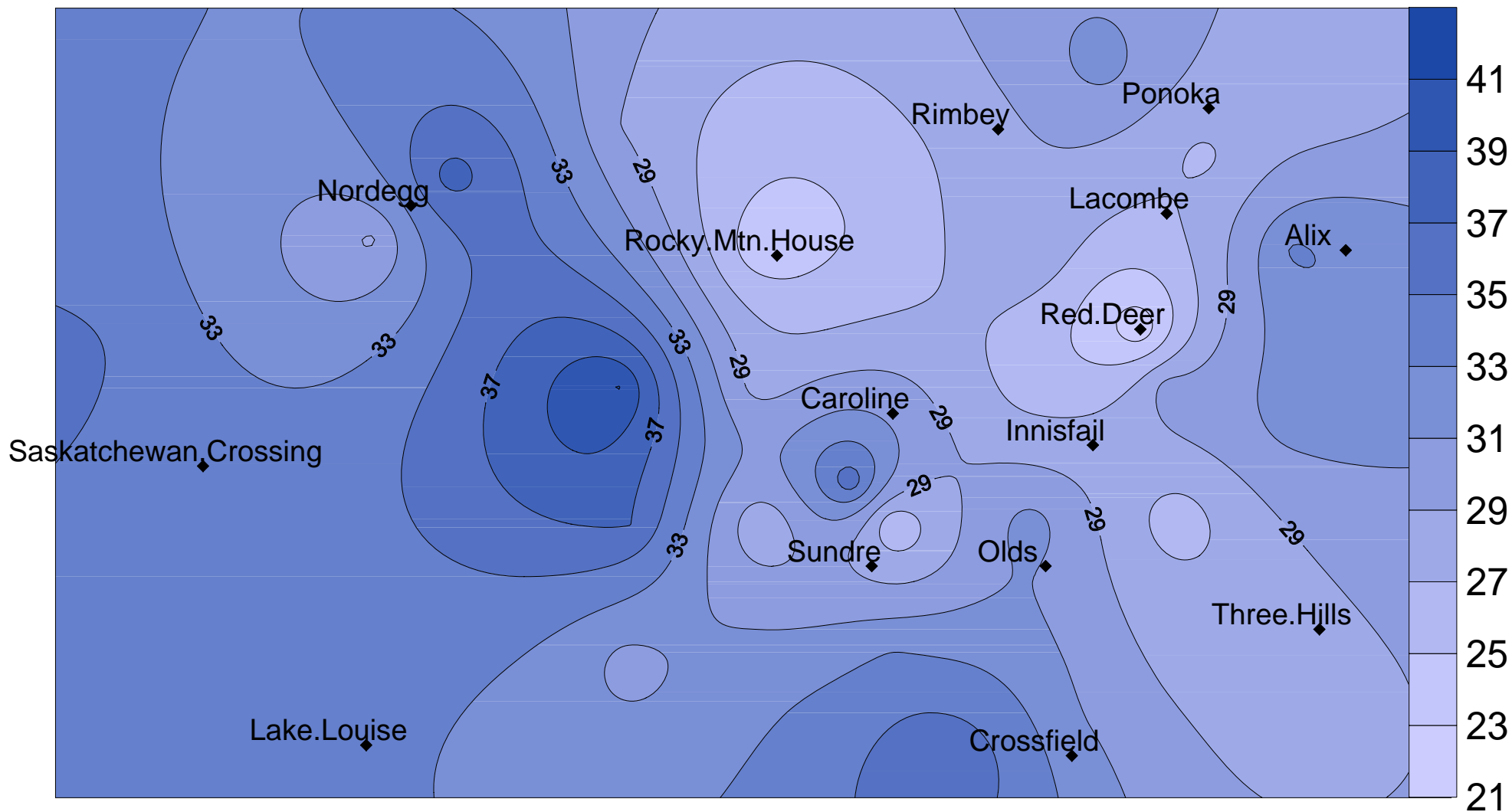
There is no Annual Alberta Ambient Air Quality Guideline for O3



PAMZ Passive O3 (ppb) - Station Averages 2005



PAMZ Passive O3 Monitoring Network - 2005 Station Averages (ppb)



PAMZ Passive O₃ Monitoring Network - 2005 Station Averages (PPB)