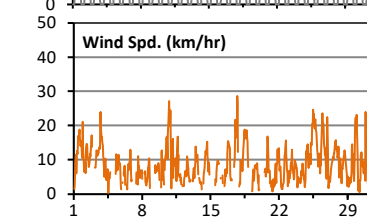
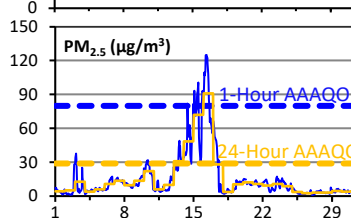
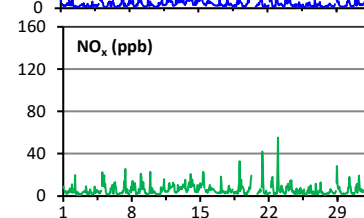
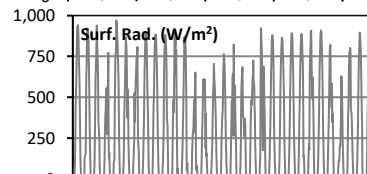
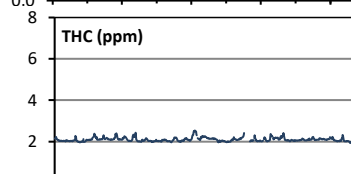
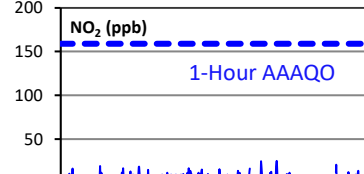
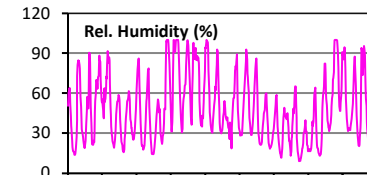
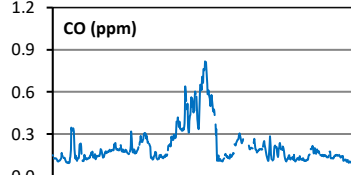
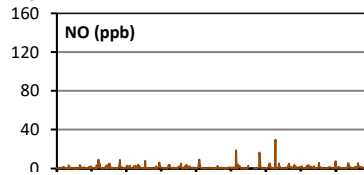
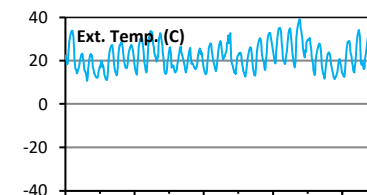
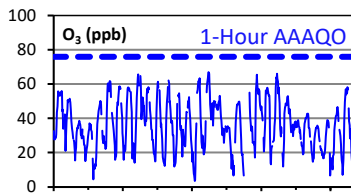
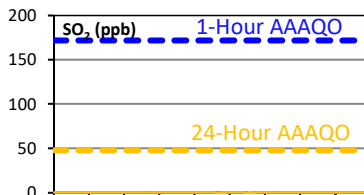
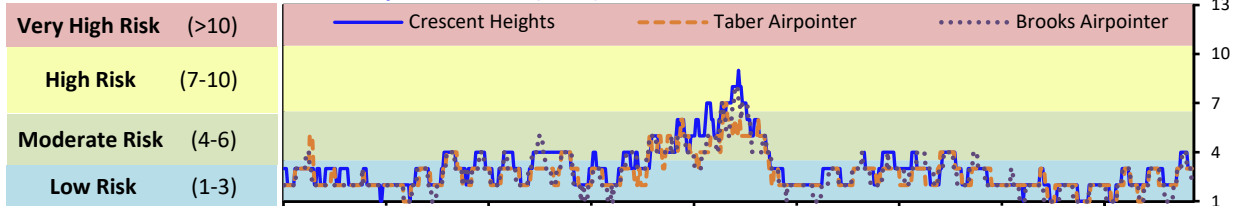


Palliser Airshed Society - July 2023 Summary Report

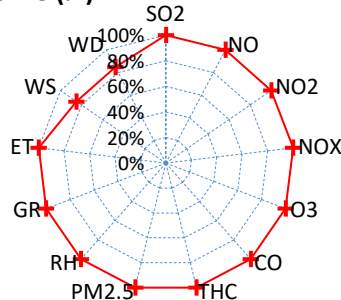
Continuous Sampling Results - Crescent Heights Station

Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc Unit	Avg. Conc.	Uptime	Maximum		AAAQO	Exceed	Maximum		AAAQO	Exceed
				Conc	Time	Objective	No.	Conc	Time	Objective	No.
SO ₂	ppb	< 1	100.0%	< 1	Jul-23	48	0	1.0	Jul-23 6:00	172	0
NO	ppb	0.8	100.0%	2.3	Jul-22	-	-	29.8	Jul-22 23:00	-	-
NO ₂	ppb	4.8	100.0%	7.9	Jul-14	-	-	25.2	Jul-21 9:00	159	0
NO _x	ppb	5.6	100.0%	9.4	Jul-22	-	-	55.3	Jul-22 23:00	-	-
O ₃	ppb	37	100.0%	47	Jul-17	-	-	67	Jul-16 17:00	76	0
CO	ppm	0.2	100.0%	0.7	Jul-16	-	-	0.8	Jul-16 10:00	13	0
THC	ppm	2.1	100.0%	2.3	Jul-15	-	-	2.5	Jul-15 6:00	-	-
PM _{2.5}	µg/m ³	15	100.0%	91	Jul-16	29	4	125	Jul-16 7:00	80	27

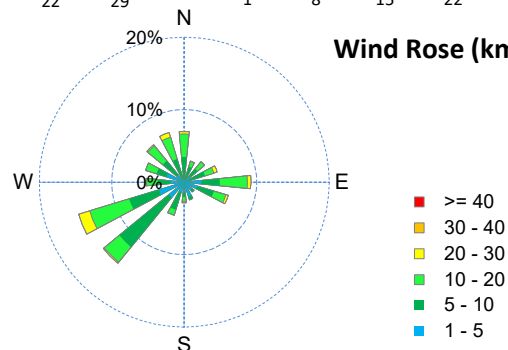
Air Quality Health Index (AQHI)



Instrument Uptime (%)

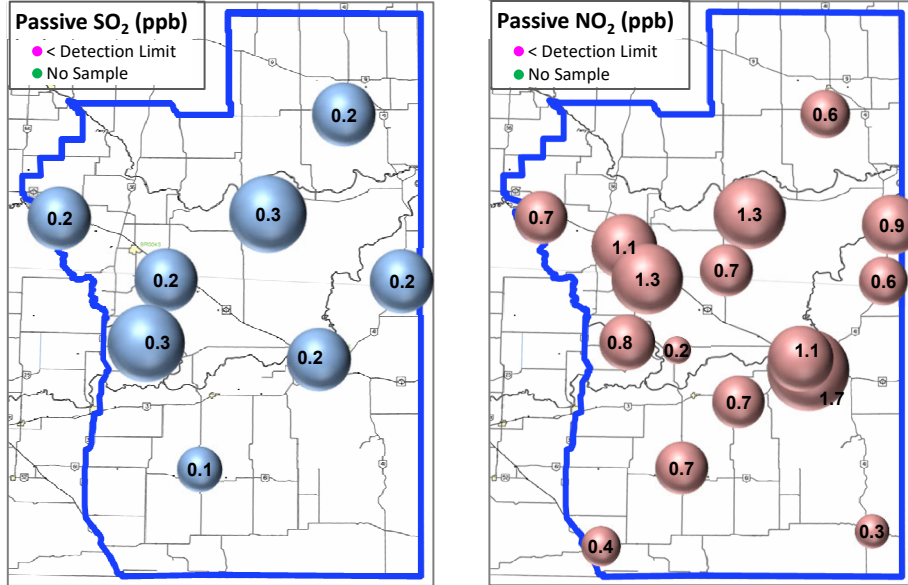


Wind Rose (km/hr)



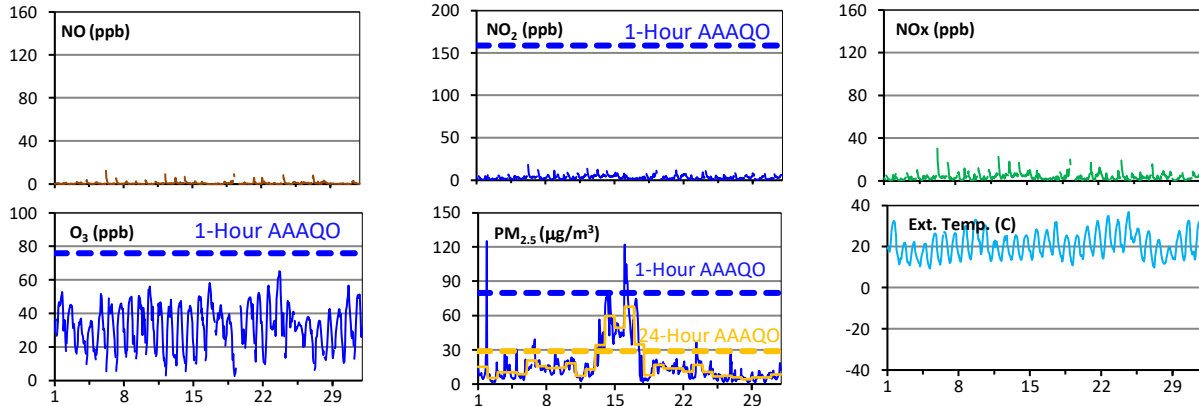
Palliser Airshed Society - July 2023 Summary Report

Passive Sampling Results

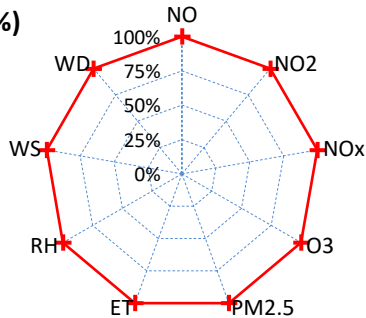


Continuous Sampling Results - Taber Airpointer

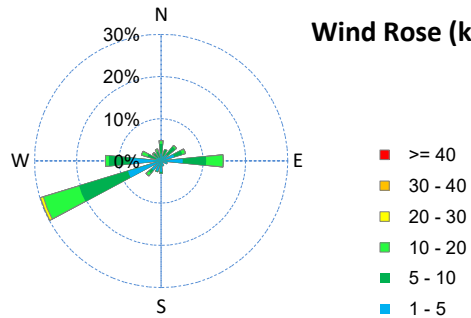
Pollutants	Conc Unit	Month Records		24-Hour Records				1-Hour Records			
		Avg. Conc.	Uptime	Maximum		AAAQO Objective	Exceed No.	Maximum		AAAQO Objective	Exceed No.
				Conc	Time			Conc	Time		
NO	ppb	0.6	99.9%	1.4	Jul-27	-	-	12.3	Jul-06 6:00	-	-
NO ₂	ppb	3.1	99.9%	5.3	Jul-13	-	-	18.2	Jul-06 6:00	159	0
NO _x	ppb	3.7	99.9%	6.4	Jul-13	-	-	30.5	Jul-06 6:00	-	-
O ₃	ppb	33	99.9%	46	Jul-23	-	-	65	Jul-23 17:00	76	0
PM _{2.5}	ug/m3	17	99.9%	68	Jul-16	29	5	125	Jul-01 22:00	80	10



Uptime (%)



Wind Rose (km/hr)

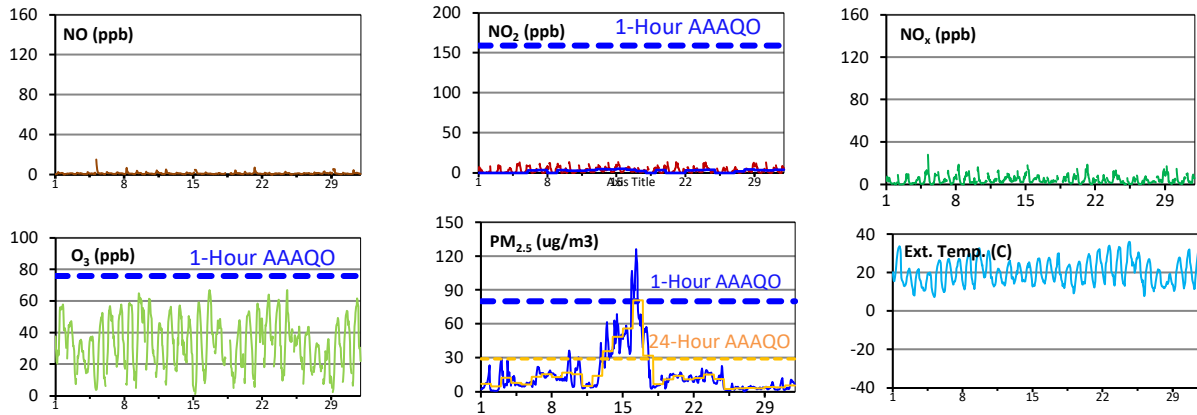


Palliser Airshed Society - July 2023 Summary Report

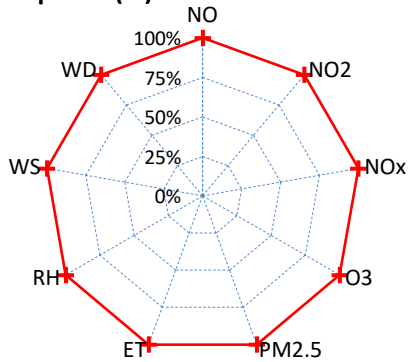
Continuous Sampling Results - Brooks

Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc Unit	Avg. Conc.	Uptime	Maximum		AAAQO Objective	Exceed No.	Maximum		AAAQO Objective	Exceed No.
				Conc	Time			Conc	Time		
NO	ppb	1.0	100.0%	2.2	Jul-5	-	-	14.9	Jul-05 5:00	-	-
NO ₂	ppb	3.1	100.0%	5.0	Jul-15	-	-	13.5	Jul-21 2:00	159	0
NO _x	ppb	4.0	100.0%	6.6	Jul-15	-	-	27.9	Jul-05 5:00	-	-
O ₃	ppb	34	100.0%	44	Jul-22	-	-	67	Jul-16 16:00	76	0
PM _{2.5}	ug/m3	16	100.0%	81	Jul-16	29	5	126	Jul-16 8:00	80	16

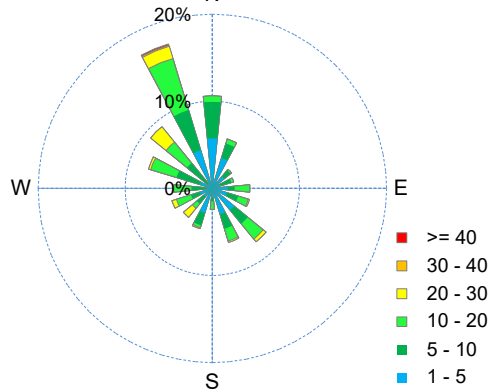
* Dotted lines are for AAAQO limits and solid lines are for averages.



Instrument Uptime (%)



Wind Rose (km/hr)



Monthly Update

*All data has been validated; data may change after validation process.

*The measured ambient concentrations of all parameters are within the AAAQO with the exception of four 24-hour and 27 1-hour PM 2.5 exceedances recorded at Crescent Heights, five 24-hour and ten 1-hour PM_{2.5} exceedances recorded at Taber, five 24-hour PM 2.5 and 16 1-hour PM 2.5 exceedances recorded at Brooks.

*All PM_{2.5} exceedances attributed to wildfire smoke in the area.

*All compliance parameters at Crescent Heights, Taber and Brooks had > 90% operational uptime with the exception of WS/WD at Crescent Heights.