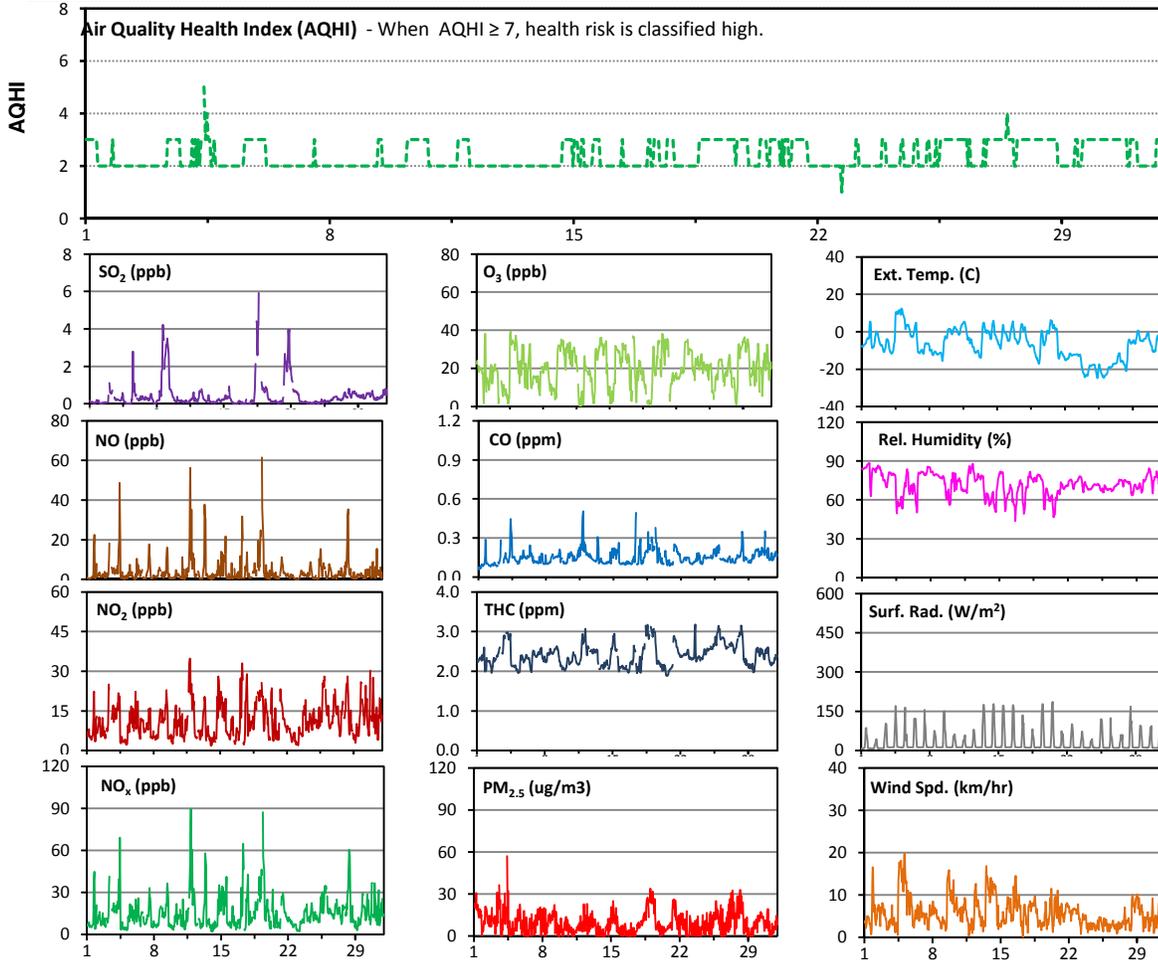


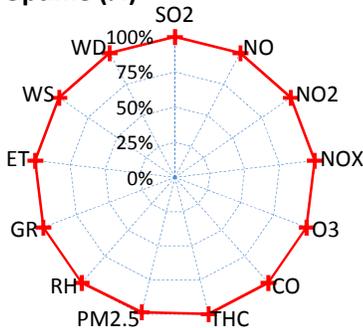
# Palliser Airshed Society - December 2012 Summary Report

## Continuous Sampling Results - Crescent Heights Station

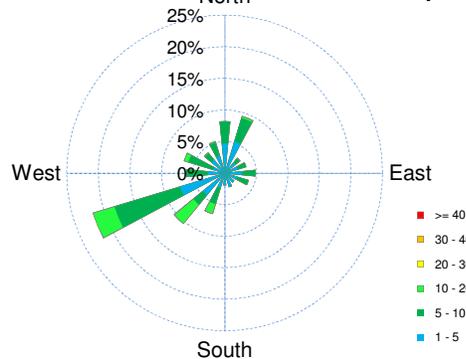
Pollutants		Month Records		24-Hour Records				1-Hour Records			
Name	Conc Unit	Avg. Conc.	Uptime	Maximum		AAAQO Objective	Exceed No.	Maximum		AAAQO Objective	Exceed No.
				Conc	Time			Conc	Time		
SO <sub>2</sub>	ppb	0.4	100.0%	1.9	Dec-21	48	0	5.9	Dec-18 16:00	172	0
NO	ppb	4.1	100.0%	12.9	Dec-19	-	-	61.6	Dec-19 9:00	-	-
NO <sub>2</sub>	ppb	11.1	100.0%	16.9	Dec-19	-	-	34.8	Dec-11 20:00	159	0
NO <sub>x</sub>	ppb	15.2	100.0%	29.8	Dec-19	-	-	89.6	Dec-11 21:00	-	-
O <sub>3</sub>	ppb	20	100.0%	30	Dec-20	-	-	39	Dec-04 14:00	82	0
CO	ppm	0.2	100.0%	0.2	Dec-11	-	-	0.5	Dec-11 21:00	13	0
THC	ppm	2.4	100.0%	2.8	Dec-18	-	-	3.2	Dec-23 13:00	-	-
PM <sub>2.5</sub>	µg/m <sup>3</sup>	9	98.7%	19	Dec-27	30	0	57	Dec-04 10:00	-	-



**Instrument Uptime (%)**

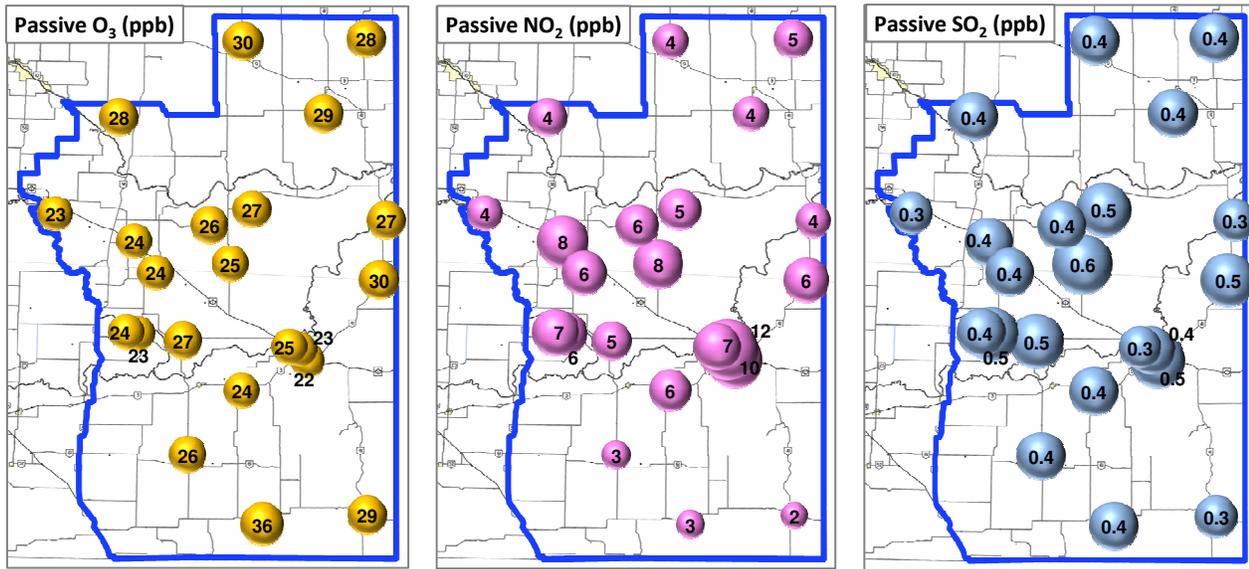


**Wind Rose (km/hr)**



# Palliser Airshed Society - December 2012 Summary Report

## Passive Sampling Results



## Monthly Update

- \* All data has been slope, intercept, and baseline corrected. Data may change after validation process.
- \* The measured ambient concentrations of all parameters are within the AAAQO for the month of December 2012.
- \* All compliance parameters are above 90% operational for the month of December 2012.
- \* Routine calibration was performed on December 3, 2012.
- \* The operational issues for the month of December include 8 hours of PM<sub>2.5</sub> data flagged as "analyzer failure" throughout the month. The PM<sub>2.5</sub> analyzer intermittently recorded negative values. 2 hours of PM<sub>2.5</sub> data are also flagged as "maintenance", during filter replacement. Non-routine calibration was performed on the SO<sub>2</sub> analyzer on December 18. Spans had shown some drift over the previous few days. The internal pump was re-built, and the pump diaphragm was replaced. The analyzer returned to normal operations following calibrations, and no data was affected.